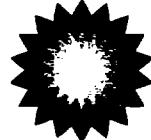


bp

EPA Region 5 Records Ctr.



297046



Stephen A. K. Palmer

Managing Attorney, HSSE
BP Legal Western Region Downstream

BP America Inc.
6 Centerpointe Drive, LRP 6-547
La Palma, CA 90623
Direct: 714-228-6515
Facsimile: 714-228-6570
E-mail: palmerSA@bp.com

February 14, 2007

VIA OVERNIGHT MAIL

Linda Mangrum
U.S. Environmental Protection Agency
Remedial Enforcement Support
77 W. Jackson Blvd., SR-6J
Chicago, IL 60604-3590

Re: **Residential Portion of the USS Lead Site, 5300 Kennedy Avenue, East Chicago, Indiana – Supplemental Response to EPA 104(e) Request for Information**

Dear Madame:

On October 31, 2005, Atlantic Richfield Company ("ARC") responded to the United States Environmental Protection Agency's August 15, 2005 Request for Information regarding the USS Lead Site located in East Chicago, Indiana. ARC is providing herein copies of documents, bates numbered BPL000000201 – BPL000000547. These documents supplement ARC's October 31 response. Please be advised that this supplemental response is subject to the General Objections stated in ARC's October 31, 2005 letter. ARC reserves the right to further supplement its response in the event it discovers additional documents in the future.

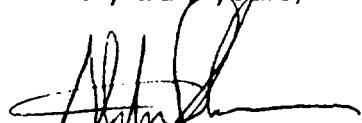
Please be advised that effective February 1, 2007, my address will be:

Stephen A. K. Palmer, Esq.
BP America Inc.
501 Westlake Park Boulevard
Houston, Texas 77079

Linda Mangrum
February 14, 2007
Page 2

Although I do not yet have a phone or fax number, I can be reached via e-mail at palmersa@bp.com.

Very truly yours,


Stephen A. Palmer

Enclosures

Cc: Scott Ziegler (w/encl.)

**RESIDENTIAL PORTION OF USS LEAD SITE
EAST CHICAGO, INDIANA**

**ATLANTIC RICHFIELD COMPANY
SUPPLEMENTAL RESPONSE TO
EPA'S AUGUST 15, 2005
104(E) REQUEST FOR INFORMATION**

**DOCUMENTS RESPONSIVE TO
QUESTION #7**

70-20-11-15

INTERNATIONAL SMELTING AND REFINING COMPANY

25 Broadway, New York 4, N. Y.

Office of the
Secretary

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS
OF THE INTERNATIONAL LEAD REFINING COMPANY
HELD ON DECEMBER 31, 1934

"The Chairman stated that the stockholders at a Special Meeting held on December 28, 1934, had authorized the dissolution of the corporation and the liquidation of its affairs. He also stated that all the shares of stock of the corporation were owned by International Smelting and Refining Company.

On motion duly made and seconded, the following preambles and resolution were unanimously adopted:

WHEREAS, International Smelting and Refining Company is the holder of all the outstanding stock of this corporation; and

WHEREAS, the stockholders of this corporation have unanimously voted in favor of its dissolution and the liquidation of its affairs in accordance with the laws of the State of Indiana, NOW, THEREFORE, BE IT

RESOLVED, that the assets of this corporation be distributed to International Smelting and Refining Company as soon as practicable hereafter, such distribution to be made as of December 31, 1934; provided, however, that said International Smelting and Refining Company shall first file with this Board a letter whereby said International Smelting and Refining Company shall assume all the outstanding liabilities of this corporation."

I, C. E. MORAN, Secretary of the INTERNATIONAL SMELTING AND REFINING COMPANY, a Montana Corporation, do hereby certify that the above and foregoing is a true copy of a resolution adopted at a meeting of the Board of Directors of the INTERNATIONAL LEAD REFINING COMPANY held on December 31, 1934.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of this corporation on this 25th day of October, 1946.



Secretary.

BPL000000201

1449
7020-11-15

INTERNATIONAL SMELTING AND REFINING COMPANY

25 Broadway, New York 4, N. Y.

Office of the
Secretary

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS
OF THE INTERNATIONAL LEAD REFINING COMPANY
HELD ON DECEMBER 31, 1934

"The Chairman stated that the stockholders at a Special Meeting held on December 28, 1934, had authorized the dissolution of the corporation and the liquidation of its affairs. He also stated that all the shares of stock of the corporation were owned by International Smelting and Refining Company.

On motion duly made and seconded, the following preambles and resolution were unanimously adopted:

WHEREAS, International Smelting and Refining Company is the holder of all the outstanding stock of this corporation; and

WHEREAS, the stockholders of this corporation have unanimously voted in favor of its dissolution and the liquidation of its affairs in accordance with the laws of the State of Indiana, NOW, THEREFORE, BE IT

RESOLVED, that the assets of this corporation be distributed to International Smelting and Refining Company as soon as practicable hereafter, such distribution to be made as of December 31, 1934; provided, however, that said International Smelting and Refining Company shall first file with this Board a letter whereby said International Smelting and Refining Company shall assume all the outstanding liabilities of this corporation."

I, C. E. MORAN, Secretary of the INTERNATIONAL SMELTING AND REFINING COMPANY, a Montana Corporation, do hereby certify that the above and foregoing is a true copy of a resolution adopted at a meeting of the Board of Directors of the INTERNATIONAL LEAD REFINING COMPANY held on December 31, 1934.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of this corporation on this 25th day of October, 1946.


Secretary.

BPL000000202

1 rec

7020-11-15

INTERNATIONAL SMELTING AND REFINING COMPANY

25 Broadway, New York 4, N.Y.

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS
OF THE INTERNATIONAL LEAD REFINING COMPANY
HELD ON DECEMBER 31, 1934

"The Chairman stated that the stockholders at a Special Meeting held on December 28, 1934, had authorized the dissolution of the corporation and the liquidation of its affairs. He also stated that all the shares of stock of the corporation were owned by International Smelting and Refining Company.

On motion duly made and seconded, the following preambles and resolution were unanimously adopted:

WHEREAS, International Smelting and Refining Company is the holder of all the outstanding stock of this corporation; and

WHEREAS, the stockholders of this corporation have unanimously voted in favor of its dissolution and the liquidation of its affairs in accordance with the laws of the State of Indiana, NOW, THEREFORE, BE IT

RESOLVED, that the assets of this corporation be distributed to International Smelting and Refining Company as soon as practicable hereafter, such distribution to be made as of December 31, 1934; provided, however, that said International Smelting and Refining Company shall first file with this Board a letter whereby said International Smelting and Refining Company shall assume all the outstanding liabilities of this corporation."

I, C. E. MORAN, Secretary of the INTERNATIONAL SMELTING AND REFINING COMPANY, a Montana Corporation, do hereby certify that the above and foregoing is a true copy of a resolution adopted at a meeting of the Board of Directors of the INTERNATIONAL LEAD REFINING COMPANY held on December 31, 1934.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of this corporation on this 25th day of October, 1946.

BPL000000203

/s/ C. E. MORAN [CORPORATE SEAL]
Secretary.

7020-11-65

STATE OF NEW YORK)
COUNTY OF NEW YORK) ss.

FREDERICK LAIST, being first duly sworn on oath, deposes and says that he is the Vice President of the International Smelting and Refining Company, a Montana corporation, with offices at 25 Broadway, New York, New York, that on December 31, 1934 he was Vice President of the International Lead Refining Company, an Indiana corporation, and that he knows of his own knowledge that the following is a true and correct excerpt from the minutes of the meeting of the Board of Directors of the International Lead Refining Company held on December 31, 1934:

"The Chairman stated that the stockholders at a Special Meeting held on December 28, 1934, had authorized the dissolution of the corporation and the liquidation of its affairs. He also stated that all the shares of stock of the corporation were owned by International Smelting and Refining Company.

On motion duly made and seconded, the following preamble and resolution were unanimously adopted:

WHEREAS, International Smelting and Refining Company is the holder of all the outstanding stock of this corporation; and

WHEREAS, the stockholders of this corporation have unanimously voted in favor of its dissolution and the liquidation of its affairs in accordance with the laws of the State of Indiana, NOW, THEREFORE, BE IT

RESOLVED, that the assets of this corporation be distributed to International Smelting

said International Smelting and Refining Company shall first file with this Board a letter whereby said International Smelting and Refining Company shall assume all the outstanding liabilities of this corporation."

Frederick Laist.

Frederick Laist

Sworn to and subscribed before
me this 28th day of October, 1946.

John Browning

JOHN BROWNING

NOTARY PUBLIC STATE OF NEW YORK
Residing in Kings County
Clerk's No. 448 Reg. No. 127-B-7

(NOTARIAL
SEAL)

County Clerk's Certificate No. 13549 attached

ASSIGNMENT

KNOW ALL MEN BY THESE PRESENTS that the undersigned, INTERNATIONAL LEAD REFINING COMPANY, an Indiana corporation, hereinafter called the "Assignor", for and in consideration of Ten Dollars (\$10), and other good and valuable considerations, the receipt whereof is hereby acknowledged, has granted, assigned, transferred, conveyed and set over, and does hereby grant, assign, transfer, convey and set over unto INTERNATIONAL SMELTING AND REFINING COMPANY, a Montana corporation, hereinafter called the "Assignee", its successors and assigns forever, all and singular the following described assets, rights, properties and interests, to wit:

- (a) All of the Assignor's cash, accounts receivable, interest receivable, mortgages receivable, notes receivable, moneys due, prepaid expenses, bonds, stocks and securities of every kind and nature whatsoever;
- (b) All of the Assignor's real property and interests therein wheresoever situate;
- (c) All of the Assignor's plants, boilers, engines, machinery, tools, appliances, equipment, fixtures, furniture, goods, chattels, supplies, merchandise, manufactured stocks, raw materials and advertising materials of every kind whatsoever and wheresoever situate;
- (d) All of the Assignor's brands, trade-marks, trade-names, formulae, secret processes, licenses, patents, patent applications, inventions, goodwill and other intangible rights;
- (e) All of the Assignor's other rights, properties and interests in property, real, personal and mixed, tangible and intangible, contracts, agreements, leases, credits and choses in action of every kind whatsoever.

TO HAVE AND TO HOLD the property hereby granted, assigned, transferred, conveyed and set over, or intended so to be, unto the Assignee, its successors and assigns forever.

The Assignor for itself, its successors and assigns, covenants with the Assignee, its successors and assigns, that

the Assignor will do, execute, acknowledge and deliver, or will cause to be done, executed, acknowledged and delivered, all such further acts, transfers, assignments, deeds of conveyance, powers of attorney and assurances for the better assuring, conveying and confirming unto the Assignee, its successors and assigns, all and singular the property hereby conveyed, transferred and assigned, or intended so to be, as the Assignee, its successors and assigns, shall reasonably require.

IN WITNESS WHEREOF said INTERNATIONAL LEAD REFINING COMPANY has caused this instrument to be signed in its corporate name by its President or one of its Vice Presidents, and its corporate seal to be hereunto affixed and attested by its Secretary or one of its Assistant Secretaries this 31st day of December, 1934.

INTERNATIONAL LEAD REFINING COMPANY,

By (Sgd) ROBERT E. DWYER
President

ATTEST:

(Sgd) JAMES DICKSON
Secretary

(Corporate Seal).

BPL000000207

STATE OF NEW YORK)
COUNTY OF NEW YORK) : SS.:

I, WALTER G. MARTIN, a Notary Public in and for said County, in said State, hereby certify that Robert E. Dwyer and James Dickson, whose names as President and Secretary, respectively, of INTERNATIONAL LEAD REFINING COMPANY, a corporation, are signed to the foregoing instrument, and who are known to me, acknowledged before me on this day, that, being informed of the contents of the instrument, they, as such officers, and with full authority, executed the same voluntarily for and as the act of said corporation.

Given under my hand and seal of office this 31st day of December, 1934.

W. G. Martin
NOTARY PUBLIC, Nassau County, No. 783
Certificate Filed in N. Y. County
County Clerk's No. 50, Reg. No. 6M35
My Commission expires March 30, 1936.

(Notarial Seal)

7020-11

INTERNATIONAL SMELTING AND REFINING COMPANY
25 BROADWAY
NEW YORK, N. Y.

STATEMENT AND AFFIDAVIT PURSUANT TO ARTICLE 112 (b) (6)-5 OF REGULATIONS 94.

STATE OF NEW YORK)
SS:
COUNTY OF NEW YORK)

E. O. SOWERWINE, being duly sworn, deposes and says:

THAT he is the Secretary of International Smelting and Refining Company, a Montana Corporation, and that he is familiar with the matters hereinafter set forth.

THAT pursuant to a plan of complete liquidation adopted by International Smelting and Refining Company and Anaconda Lead Products Company, said Anaconda Lead Products Company was completely liquidated in accordance with the provisions of Section 112 (b) (6) of the Revenue Act of 1936 and of Regulations 94 issued thereunder, and all of its property and assets were transferred within the taxable year to said International Smelting and Refining Company in complete cancellation or redemption of all the stock of Anaconda Lead Products Company. As of the date of adoption of the plan of liquidation and at all times since, to and including the date of distribution and liquidation, all of the issued and outstanding stock of Anaconda Lead Products Company, consisting of 13,650 shares of the par value of \$50. per share (each of which was entitled to full voting rights), was owned by International Smelting and Refining Company. Anaconda Lead Products Company was dissolved on October 31st 1936.

Said plan of liquidation and said liquidation and dissolution are evidenced by the following resolutions of both corporations:

Preambles and resolutions adopted by the Board of Directors of International Smelting and Refining Company at a meeting on October 27, 1936, as follows:

"WHEREAS, This Company is the owner of all the outstanding capital stock of Anaconda Lead Products Company, a Delaware corporation; and

WHEREAS, in the opinion of this Board of Directors it is advisable to dissolve said Anaconda Lead Products Company, distribute all of its assets to its stockholders and liquidate its affairs:

NOW, THEREFORE, BE IT RESOLVED, that the proper officers of this Company be and they hereby are authorized and directed to take such action on behalf of this Company as owner of all the outstanding capital stock of Anaconda Lead Products Company as may be necessary or required under the laws of the state of Delaware to dissolve said Anaconda Lead Products Company, liquidate its affairs and distribute and transfer all of its assets and property to this Company in complete cancellation or redemption of all the stock of said Anaconda Lead Products Company."

Resolutions adopted by the Board of Directors of Anaconda Lead Products Company, at a meeting on October 28, 1936, as follows:

"RESOLVED, that the plan of liquidation of this Company adopted by International Smelting and Refining Company, the owner of all the shares of capital stock of this Company, providing for the dissolution of this Company and the distribution and transfer of all its assets and properties to its stockholders in complete cancellation or redemption of all its stock, be and the same hereby is approved and adopted; and further

"RESOLVED, that in the judgment of this Board of Directors, it is deemed advisable and most for the benefit of this corporation that it should be dissolved, its affairs liquidated, and its assets and properties transferred and distributed to its stockholders in complete cancellation or redemption of all its stock; and further

"RESOLVED, that a special meeting of the stockholders of this Corporation be and the same hereby is called to be held at Room 1800, No. 25 Broadway, New York, N. Y., on November 19, 1936, at eleven O'clock in the forenoon (or if the holders of all the issued and outstanding capital stock of the Corporation having voting power shall waive notice in writing of said meeting, then at such time and such place as said stockholders may designate) to consider and vote upon said proposed dissolution and liquidation of the Company and the distribution and transfer to its stockholders of all its assets and property in complete cancellation or redemption of all its stock; and the Secretary be and he hereby is authorized and directed to cause such notice to be given to stockholders of such meeting as shall be required by the laws of the State of Delaware and the By-laws of the Corporation."

Resolutions adopted by the Stockholders of Anaconda Lead Products Company at a meeting on October 28, 1936, as follows:

"RESOLVED, that the stockholders of this Corporation do hereby approve and adopt the plan of liquidation of this Corporation approved and adopted by the Board of Directors of this Corporation and by International Smelting and Refining Company, the owner of all its capital stock, as set forth in the minutes of a special meeting of the Board of Directors of this corporation held October 28, 1936, presented to this meeting; and further

"RESOLVED, that the stockholders of ANACONDA LEAD PRODUCTS COMPANY do hereby consent that a dissolution of the Corporation shall take place, and do hereby authorize, empower and direct the proper officers of this Corporation to execute any and all documents and to cause such action to be taken as may be necessary to effect the dissolution of the Corporation in accordance with the provisions of the General Corporation Law of the State of Delaware; and further

"RESOLVED, that said officers be and they hereby are authorized and directed to liquidate the Corporation and to distribute and transfer all the assets and property of the Corporation to its stockholders in complete cancellation or redemption of all its stock upon surrender of the certificates representing said stock."

esolutions adopted by the Board of Directors as Trustees in dissolution of Anaconda Lead Products Company at a meeting held on October 31, 1936:

"On this 31st, the stockholders of this Company voted to dissolve the Corporation and have authorized the distribution of all the assets of the Company in complete cancellation or redemption of all its stock and said dissolution has now become effective,

RESOLVED, that pursuant to authority of the stockholders of this Company given at a special meeting duly called and held on October 28, 1936, and in accordance with the plan of liquidation heretofore adopted, the proper officers of this Corporation be and they hereby are authorized and directed to liquidate the Company and to distribute and transfer all the assets and property of the Company to the owner of all its stock, International Smelting and Refining Company, a Montana Corporation, in complete cancellation or redemption of all the stock of the Company upon surrender of the certificates representing said stock."

Conveyance by Anaconda Lead Products Company of all its properties to International Smelting and Refining Company was effected by deeds and assignments dated October 31, 1936, transferring all the properties of whatsoever nature owned by said Anaconda Lead Products Company to International Smelting and Refining Company.

Inasmuch as the foregoing transaction would appear to be a transaction which is tax free under the provisions of Article 112 (b) 6 of Regulations 94, it is requested that the taxpayer be relieved of furnishing any other information requested under Article 112 (b)(6)-5 until the need therefor is determined and request therefor is made.

Subscribed and sworn to before
me this 10th day of June, 1937.

Notary Public.

The undersigned, JAMES DICKSON, duly elected Secretary of INTERNATIONAL LEAD REFINING COMPANY (an Indiana corporation) now in dissolution, DOES HEREBY CERTIFY that the following is a true and correct copy of certain preambles and a resolution which were duly adopted by the Board of Directors as Trustees in Dissolution of said Corporation, at a meeting duly called and held on December 31, 1934:

"WHEREAS, International Smelting and Refining Company is the holder of all the outstanding Stock of this corporation; and

"WHEREAS, the stockholders of this corporation have unanimously voted in favor of its dissolution and the liquidation of its affairs in accordance with the laws of the State of Indiana, NOW, THEREFORE, BE IT

RESOLVED, that the assets of this corporation be distributed to International Smelting and Refining Company as soon as practicable hereafter, such distribution to be made as of December 31, 1934; provided, however, that said International Smelting and Refining Company shall first file with this Board a letter whereby said International Smelting and Refining Company shall assume all the outstanding liabilities of this corporation."

AND I DO FURTHER CERTIFY that the letter referred to in the foregoing resolution has been duly filed with the Board of Directors as Trustees in Dissolution of said International Lead Refining Company.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and affixed the seal of said Corporation, this 24th day of March, 1938.

(Seal)

J.D
Secretary

7/25

70-20-11-N

September 20, 1946

Mr. J. R. Robbins, President
Anaconda Copper Mining Company
Building

Dear Mr. Robbins:

A few more comments and notes concerning the plan to sell the East Chicago Plant to Eagle-Picher should be placed before all interested parties so that any thoughts and changes can be arranged before my negotiations proceed too far.

Below I am listing the things which we have taken under serious consideration and which we propose to do for Eagle or arrange to carry out with them if they buy the plant:

- 1) Give Eagle patent rights as follows:
 - (a) Assignment of all of our interests in the zinc oxide muffle furnace patent to Eagle-Picher.
 - (b) Non-exclusive license to Eagle for the use of the lime flux patent for the removal of antimony from lead bullion.
 - (c) Non-exclusive license to use the automatic powder patents in connection with the White Lead Plant.
 - (d) Non-exclusive license for any other patents that are necessary for Eagle to operate the White Lead Plant.
- 2) We propose to give Eagle a certain amount of help in connection with sales matters, particularly having to do with the pigment customers that we have served for a number of years. In this connection it should be noted that I have stipulated that no files belonging to Anaconda Sales or International Smelting are to be turned over to Eagle. However, I have indicated that I would help them insofar as possible by personal contacts or giving them information, and that also Mr. Hurless would make available to them any pertinent

BPL000000213

Mr. J. R. Robbins

September 20, 1946

-2-

data relating to customers. It would be necessary, however, for Eagle to have their representatives work with Mr. Burless in the Chicago Office and to make their own notes. Mr. Burless would also propose to contact customers if that seemed to be desirable.

- 3) They would like some help on traffic matters, particularly pertaining to rates. The East Chicago traffic files are being taken over by Mr. Briggs and where duplications exist, the files will be destroyed, but all other necessary data will be preserved in the Chicago Office. Mr. Briggs understands that he would give them every assistance but not turn over our own files to their traffic man.
- 4) Eagle have requested that we leave the technical library in East Chicago for their use. Since it did not appear in any of the appraisal lists or inventory items, it is not shown as an asset. Since most of the modern books are either not needed elsewhere or duplicated in the New York office or in our plants, I would suggest that we allow Eagle to keep the library. Many of the books are from 15 to 30 years old and are practically out of date.
- 5) Eagle also wish us to agree to give them any necessary technical help on white lead and on the stufle furnaces if that is necessary. I believe, however, that if Eagle hires Mr. Johnson and the other key men that they now propose to hire, there will be a very minimum assistance in technical matters required.
- 6) Eagle proposes to give Mr. Johnson a five-year contract. Mr. Johnson is interested in this because it will allow him to continue on approximately his present basis long enough for him to put his two younger children through college.
- 7) Eagle also proposes to hire Mr. W. F. Hines on a three-year contract in order that they may train their own man in connection with the storeroom, ordering of supplies and other details that have to do with the operation at East Chicago. Mr. Hines would like to accept this arrangement if we would give him a leave of absence and then start his pension when he finishes with Eagle.

Mr. J. R. Robbins

September 20, 1946

-3-

- 8) Eagle proposes to employ Messrs. P. S. Toney, R. J. Lawson, J. J. McKenna, Walter Kanak, L. A. Elme, H. J. Bedalew and I. H. Jones, just to mention a few who so far are personnel problems as far as we are concerned. Mr. Toney's physical handicap and the injury to Mr. Kanak of some years ago make it difficult for these two men to find permanent employment on a satisfactory income basis. For one reason or another, the other men have also had difficulty finding satisfactory jobs. Eagle also proposes to continue using Dr. Johns and Rae Royce for their work.
- 9) Eagle-Picher are willing to allow Mr. Johnson to take all necessary time required to settle compensation claims and other problems that remain for International Smelting to complete. Of course it is understood that we would pay the actual cost, exclusive of Mr. Johnson's time, and that where Dr. Johns, Mr. Royce and Mr. Mearg are included that we would pay for their services.
- 10) Eagle will allow Mr. Stolte office space in order that he may spend the next few months settling up Accounts Receivable, Accounts Payable, Taxes, etc.

According to present plans, Colonel Gardiner and I expect to be in Cincinnati next Tuesday in order to complete the tentative agreement to be submitted to both Anaconda and Eagle-Picher. Eagle-Picher expect to vote definitely on the proposal when their Board meets on the 27th and if possible they would like to take over on October 1st.

If we can arrange to clear the general agreement in time for them to take over October 1st, it is proposed that they would make a cash payment of \$500,000.00 and place the balance in escrow pending the delivery of a satisfactory deed and abstract of title and the clearing up of other details incident to the final agreement. Some little time will be required to get all of this information together because a complete new survey of the plant will be required in order to have it in proper form, the County Surveyor of Lake County, Indiana, should supervise the work. Various easements also must be included in the final agreement, and all of these are not available at the moment. Likewise the new easement for Northern Indiana's power line must be written, executed and recorded.

BPL000000215

Mr. J. R. Robbins

September 20, 1946

-4-

I would be pleased to have any comments, suggestions or information concerning the above so that it will be possible to settle this matter fairly definitely next Tuesday.

Yours very truly,

P.O.Case:Mc

cc - Messrs. W. E. Hoover
F. Laist
W. K. Daly

BPL000000216

**JENTIAL PORTION OF USS LEAD SITE
EAST CHICAGO, INDIANA**

**ATLANTIC RICHFIELD COMPANY
SUPPLEMENTAL RESPONSE TO
EPA'S AUGUST 15, 2005
104(E) REQUEST FOR INFORMATION**

**DOCUMENTS RESPONSIVE TO
QUESTION #10**

Chadbourne, Wallace, Parke & Whiteside

25 Broadway, New York 4, N. Y.

7020-11-17

August 19, 1949.

Hon. Herbert A. Bergson,
Assistant Attorney General,
Department of Justice,
Washington, D. C.

Your Reference: V-K
60-91-0

Dear Mr. Bergson:

Supplementing my letter of July 25, 1949, respecting your letter of July 21, 1949, relating to the smelting and refining operations of International Smelting and Refining Company during the years 1938 and 1948, I attach hereto a tabulation setting forth in substance the information requested.

Due to the complexity of the operations of International Smelting and Refining Company, it is not practical to submit such information in the form outlined in your letter. However, while the attached statement may be more detailed than you require, nevertheless, I believe you will find that it contains all of the data referred to in your letter.

Very truly yours,

ENCLOSURE

RCC:EB

BPL000000217

7020-11-17

INTERNATIONAL SULPHUR AND REFINING COMPANY

Statement of Information requested in letter of Department of
Justice dated July 21, 1949.

	<u>Lead</u>	<u>Copper</u>	<u>Sulphide</u>	<u>1948</u>
	<u>Plant</u>	<u>Plant</u>	<u>Concen- trator</u>	<u>Plant</u>
1. Lead ores, concentrates, etc., received at Rocole, Utah smelter				
(a) From mines owned, leased or controlled	4,096	19,949	18,214	--
(b) Purchased	82,742	78,048	60,865	109,667
(c) Treated on toll	5,498	--	1,110	452
				1,911
2. Lead bullion received at East Chicago, Indiana refinery				
(a) From Rocole, Utah	24,123	--	--	--
(b) From others on toll	3,790	--	--	--
				373
3. Scrap lead received at West Chicago Refinery	3,470	1	--	--

* Operations by West Chicago plant discontinued in 1946.
All figures shown are in short tons of 2,000 pounds each dry weight.

NOTE: Lead bullion produced at Rocole, Utah and delivered to American Smelting and Refining Company, Omaha, Nebraska in 1948, accounted to 31,773 short tons.

BPL000000218

ADDRESS REPLY TO
"THE ATTORNEY GENERAL"
AND REFER TO
INITIALS AND NUMBER

OPH

DEPARTMENT OF JUSTICE
WASHINGTON, D. C.

7020-11-17

60-91-0

August 26, 1949

Robert C. Gormley, Esquire
Chadbourne, Wallace, Parke
& Whiteside
25 Broadway
New York 4, New York

Dear Mr. Gormley:

This acknowledges your letter of August 19, 1949, in which you furnish us information relating to the lead smelting and refining operations of your client, International Smelting and Refining Company, for the years 1938 and 1948. From the examination of the data furnished, it is apparent that the figures given in Item 1 (a), (b) and (c) are furnished in short tons of ore and concentrates. We had intended to request information in terms of the lead content of the ores and concentrates. We would very much appreciate it if the data could be furnished us in terms of lead content.

Please accept our apologies for the extra burden that this may impose upon your client and our thanks for your continued cooperation.

Sincerely yours,

Herbert A. Bergson
HERBERT A. BERGSON
Assistant Attorney General

BPL000000219

RCG

7020-11-17

INTERNATIONAL SMELTING AND REFINING COMPANY

25 Broadway

OFFICE OF
VICE PRESIDENT

New York 4, N.Y.

September 23, 1949

Mr. Robert C. Gormley
Chadbourne, Wallace, Parke & Whiteside
Building

Dear Mr. Gormley:

Acknowledging receipt of copy of letter August 26, 1949 from Mr. Bergson, Department of Justice, to you in which they referred to the data previously sent to them covering dry weight of ores, concentrates, etc. received at Tooele, lead bullion and scrap lead received at Tooele and East Chicago, which they now wish revised to show lead content basis, I hand you herewith original and 2 copies of statement which I believe fully complies with their request.

Very truly yours



E. O. Sowerwine
Vice President

65
EOS:B
Enclosures

BPL000000220

7

copy

Chadbourne, Wallace, Parke & Whiteside

25 Broadway, New York 4, N. Y.

7020-11-17

September 26, 1949.

Hon. Herbert A. Bergson,
Assistant Attorney General,
Department of Justice,
Washington, D. C.

Your Reference: V-K 60-91-0

Dear Mr. Bergson:

In accordance with your request of August 26, 1949, I attach hereto a supplemental statement setting forth the lead content of the ores and concentrates received by International Smelting and Refining Company at its Tooele, Utah, and East Chicago, Indiana, plants during the years 1938 and 1948, as shown by the statement accompanying my letter of August 19, 1949.

Very truly yours,

ENCLOSURE

RCG:EB

BPL000000221

70200-11-17

INTERNATIONAL SMELTING AND REFINING COMPANY

STATEMENT OF INFORMATION REQUESTED IN LETTER OF DEPARTMENT OF JUSTICE DATED AUGUST 26, 1949, (LEAD CONTENT) SUPPLEMENTING DEPARTMENT OF JUSTICE LETTER DATED JULY 21, 1949, (ORES AND CONCENTRATES).

LEAD CONTENT - Tons of 2,000 Pounds

	1 9 3 8			1 9 4 8		
	<u>Lead Plant</u>	<u>Copper Plant</u>	<u>Sulphide Concentrator</u>	<u>Lead Plant</u>	<u>Copper Plant</u>	<u>Sulphide Concentrator</u>
1. Lead ores, concentrates, etc. received at Tooele, Utah						
(a) From mines owned, leased or controlled	656	194	1,768	110	-	140
(b) Purchased	19,481	738	4,916	26,945	-	5,406
{c} Treated on toll	775	-	157	525	-	-
2. Lead bullion received at East Chicago, Indiana						
(a) From Tooele, Utah	23,706	-	-	*	-	-
{b} From others on toll	3,761	-	-	*	-	-
Scrap lead received at						
(a) Tooele	-	-	-	64	-	-
{b) East Chicago	2,823	-	-	-	-	-

* Operations at East Chicago Plant discontinued in 1946

** Lead bullion delivered to American Smelting & Refining Co.
Omaha, Nebraska

31,295

BPL000000222

9-23-49

**RESIDENTIAL PORTION OF USS LEAD SITE
EAST CHICAGO, INDIANA**

**ATLANTIC RICHFIELD COMPANY
SUPPLEMENTAL RESPONSE TO
EPA'S AUGUST 15, 2005
104(E) REQUEST FOR INFORMATION**

**DOCUMENTS RESPONSIVE TO
QUESTION #8**

APPRAISAL

7326-71-15

AS OF

AUGUST 1, 1946

INTERNATIONAL SMELTING & REFINING CO.

EAST CHICAGO, INDIANA

BPL000000223



INTERNATIONAL IRONWORKS AND REFINING COMPANY

400 EAST 151st, INDIANAPOLIS

EAST CHICAGO, INDIANA

AMERICAN

AB 67

APRIL 1, 1945

BPL000000225

GRAND TOTAL

BUILDINGS, EQUIPMENT, MACHINERY AND LAND

<u>ITEM</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT COST NEW</u>	<u>VALUE AS IS</u>
ALL BUILDINGS	1,376,450	2,115,850	966,950
ALL EQUIPMENT	1,361,850	1,901,850	690,062
SERVICES	251,114	368,956	145,812
<u>TOTALS LESS LAND</u>	<u>\$4,088,826</u>	<u>\$4,457,154</u>	<u>\$1,602,824</u>

VALUE OF LAND (BOSCHEN ESTIMATE)
62.615 acres at \$3,500 per acre

220,650

GRAND TOTAL VALUE FOR SALE

\$ 1,823,474

SUMMARY

ALL BUILDINGS AND EQUIPMENT

ITEM	ORIGINAL COST		REPLACEMENT COST		VALUE AS IS	
	BUILDING	EQUIPMENT	BUILDING	EQUIPMENT	BUILDING	EQUIPMENT
BUILDINGS OF THE REFINERY DIVISION	794,515		1,285,780		835,780	
EQUIPMENT OF THE REFINERY DIVISION		610,257		844,877		800,625
BUILDINGS OF THE WHITE LEAD DIVISION	126	535,828		357,890		172,925
EQUIPMENT OF THE WHITE LEAD DIVISION	126	545,418		507,759		177,250
BUILDINGS OF THE ZINC OXIDE DIVISION	126	545,710		490,170		260,250
EQUIPMENT OF THE ZINC OXIDE DIVISION	126	408,600		548,730		800,400
<u>TOTAL BUILDINGS:-</u>	<u>\$1,876,450</u>		<u>\$2,115,280</u>		<u>\$245,950</u>	
<u>TOTAL EQUIPMENT:-</u>		<u>\$1,561,250</u>		<u>\$1,901,340</u>		<u>860,062</u>

SUMMARY**MILLIONS OF DOLLARS EXCLUDING DIVISION**

<u>BUILDING NUMBERS</u>	<u>UNIT</u>	<u>AREA SQ. FT</u>	<u>VOLUME CU. FT</u>	<u>YEAR BUILT</u>	<u>R</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT COST</u>	<u>VALUEN AS IS</u>
100	General Office	17,000	207,000	1921	18	105,000	181,000	90,640
101	Machine Shop & Store Room	8,700	189,540	1927	14	64,000	91,000	55,940
105,A,B,C Garages		8,084	87,610	1924	35	6,385	11,500	4,110
106	Baghouse	4,175	511,540	1912	60	68,000	155,000	56,000
108	Jan House	1,600	38,000	1912	60	10,000	25,000	4,000
109	Change House	8,500	64,000	1912	50	17,250	45,500	8,525
107	Locomotive, Oil House & Garage	1,150	12,700	1912	50	1,600	4,600	800
108	Store Room	1,900	18,000	1920	50	2,400	6,500	1,300
109	Blacksmith Shop	1,000	10,500	1920	75	1,000	1,500	850
110	Storage Building	640	9,600	1912	75	900	1,600	825
111	Refinery Building & Stock	75,000	2,400,000	1912	40	422,545	642,000	262,750
112	Experimental Laboratory	970	15,600	1920	40	2,400	3,000	1,640
114	Engine House	1,800	35,000	1912	10	10,150	19,400	9,100
116	Transformer House	180	1,800	1912	50	2,500	7,500	1,775
117	Fuel Oil Tanks	1,000	7,000	1912	40	1,500	3,000	900
118	Pine Pump House	400	9,000	1920	50	4,500	9,200	3,850
119	Change House	8,815	105,600	1920	8	44,500	85,000	40,350
120	Lunch Room	750	9,500	1920	50	2,000	2,500	800
121	Blast Furnace Laboratory	200	5,500	1912	70	850	2,000	845
122	R.R. Car Storage	1,000	35,600	1920	15	10,000	15,000	8,550
S/N	June Storage	1,500	19,500	1945	10	8,500	4,500	8,550
TOTALS						\$794,515	\$1,320,730	\$328,750

D = o/e Depreciation from Original Cost

SUMMARY
EQUIPMENT OF THE REFINING DIVISION

<u>BUILDING NUMBERS</u>	<u>UNIT</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT COST NEW</u>	<u>VALUE AS IS</u>
100	General Office	\$4,718	45,665	\$4,603
101	Machine Shop & Store Room	28,000	57,625	20,717
103,A,B.	Garages	-	-	-
104	Bag House	26,650	26,755	6,655
105	Pan House	4,295	7,090	2,500
106	Change House	2,255	3,950	1,450
107	Locomotive, Oil House & Garage	2,970	3,325	1,765
108	Store Room	4,055	5,715	2,985
109	Blacksmith Shop	1,200	1,890	610
110	Storage Building	300	450	150
111	Refinery Building & Stock	411,870	564,700	202,700
112	Experimental Laboratory	1,695	2,040	630
114	Engine House	59,900	56,260	22,950
116	Transformer House	8,817	8,077	2,657
117	Fuel Oil Tanks	8,980	4,890	2,360
118	Fire Pump House	3,800	5,695	2,160
119	Change House	28,755	28,724	9,818
120	Lunch Room	150	188	78
121	Blast Furnace Laboratory	1,000	1,340	470
122	R. R. Car Storage	890	540	140
<u>TOTALS</u>		<u>\$610,237</u>	<u>\$844,877</u>	<u>\$405,625</u>

SUMMARYBUILDINGS OF THE MINE LEAD DIVISION

BUILDING NUMBER	UNIT	AREA BL. FT.	VALUE BL. FT.	YEAR BUILT	% D	DEPRECIATION COST	REPLACEMENT COST	VALUE AS IS
201	Cell & Tank Room	5,110	175,000	1922	50	50,000	84,500	35,500
202	Sub-Station	1,570	35,000	1922	50	17,000	28,500	11,500
203	Boiler House	3,712	70,000	1922-27	40	10,000	17,700	6,360
204	Water Softener	150	2,100	1922	40	800	1,400	510
205	Carbinating Tower	150	-	1922	40	800	7,650	2,150
206	Pump House & Sulphate Building	15,500	25,000	1927	15	6,250	8,000	5,300
207	Vacuum Pump House	1,250	15,000	1922	50	6,250	8,000	3,125
208	Change House	1,310	20,000	1927	-	30,000	34,000	25,000
209	Frame Shop	240	5,200	1922	40	1,400	2,400	840
211	Carpenter Shop	1,200	15,000	1922	50	8,000	4,000	1,350
212	Warehouse	2,200	34,500	1922	50	17,250	8,000	1,750
214	Factory Building	6,550	100,750	1922	40	40,250	81,000	21,120
224	Scale House	150	2,150	1912	50	1,075	2,150	575
226	Dryer Building	4,140	36,400	1922	25	27,800	33,200	20,800
226	Storage Supply	200	2,000	-	50	1,000	2,000	100
227	Oil House	150	950	-	50	500	500	50
228	Hose Box	50	150	-	50	100	150	10
229	Hose Box	50	150	-	50	100	150	10
230	Turpentine Storage	250	5,750	1922	50	2,850	5,150	1,125
231	Rissooth Plant	3,000	75,000	1922	40	18,000	25,000	10,000
N/M	Linseed Oil House & Pump	-	-	-	-	-	-	-
232	Warehouse	9,000	275,000	1922	25	225,000	55,500	21,000
234	Switch House	500	10,000	1922	10	5,000	5,100	5,810
TOTAL						\$225,225	\$257,000	\$172,900

D = % Depreciation from Original Cost

SUMMARY
EQUIPMENT OF THE SOUTH LEAD DIVISION

<u>BUILDING NUMBER</u>	<u>NAME</u>	<u>UNIT</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT COST</u>	<u>VALUE AS IS</u>
			\$	\$	\$
201	Cell & Tank Room		74,850	104,680	58,565
202	Sub - Station		58,410	37,800	38,810
203	Boiler House		32,560	45,445	18,810
204	Water Softener		2,845	4,060	1,700
205	Carbonating Tower		2,040	10,490	4,565
206	Pump House & Sulphate Building		22,645	35,250	9,860
207	Vacuum Pump House		15,025	22,085	6,560
208	Charge House		5,085	6,525	2,540
209	Frame Shop		865	1,205	460
211	Carpenter Shop		1,695	2,975	850
213	Warehouse		4,250	5,945	1,890
214	Packer Building		50,165	40,245	15,075
220	Scale House		6,680	15,245	560
222	Dyer Building		48,900	57,174	20,475
226	Storage Supply		1,265	1,750	505
227	Oil House		50	125	50
228 & 229	Nose Box		240	360	180
230	Turpentine Storage		705	850	365
231	Bismuth Plant		34,110	34,760	13,530
N/H	Linseed Oil House & Pump		1,810	1,975	1,015
233	Warehouse		10,710	25,495	8,745
234	Switch House		—	—	—
TOTAL			\$548,415	\$507,789	\$177,060
—————					

APPENDIX
ASSESSMENT OF THE KING GEORGE DIVISION

BUILDING NUMBER	UNIT	AREA SQ. FT.	VOLUME CU. FT.	YEAR BUILT	D	ORIGINAL COST	REPLACEMENT COST	VALUE AD. 10
300	Main Laboratory	2,825	35,000	1930	50	15,000	20,000	11,060
302	American Block	9,470	245,000	1936	60	27,500	55,500	14,000
303	Machinery Shed	2,110	50,700	1940	15	4,725	6,050	4,000
304	Van House		(Included in Building # 302)					
305	Warehouse	6,360	150,000	1937	50	25,500	51,000	30,500
306 A	Packer Building	3,150	74,000	1932	55	25,500	55,500	18,700
306 B	Warehouse	8,300	180,000	1936	15	25,500	45,000	20,900
307	Furnace Building (French Process)	6,080	100,000	1930	25	21,500	27,500	16,500
308	Settler Building	2,900	50,400	1930	50	9,000	14,000	6,355
309	Bag House (French Process)	1,150	45,840	1930	40	11,450	18,400	6,870
310	Orange House	1,954	37,515	1930	40	9,650	12,500	8,790
311 A	Oil Pump & Air Compressor House	304	4,000	1930	50	4,100	6,750	3,870
315	Sub - Station	150	1,440	1932	50	2,950	4,500	2,065
316	Furnace Building	8,384	180,000	1930	50	25,500	57,000	15,400
318	Settler Building	7,980	110,000	1932	50	11,500	18,500	9,250
316	Bag House	4,140	100,000	1934	20	25,500	70,000	31,180
317	Rotort Storage	900	11,280	1932	40	6,850	11,000	5,990
318	Laboratory	2,560	50,000	1935	25	7,150	11,550	5,350
319	Engineer's Office	200	8,000	1932	50	1,800	2,400	360
321	White Lead Mixing	2,750	68,500	1930	35	5,250	8,100	5,400
325	Pulverizer Building	5,500	150,000	1930	50	8,500	14,500	6,700
326	Motor House	400	8,100	1930	15	2,150	3,850	1,825
327	Ore & Coke Storage	400	8,000	1935	10	2,750	4,270	2,475
328	Shop	360	8,760	1945	5	6,800	7,800	6,175
332	Pottery	8,750	61,860	1934	15	14,175	22,400	12,050
334	Warehouse	7,800	144,000	1938	10	25,050	55,500	22,550
TOTALS						\$346,710	\$499,170	\$260,295

D = % Depreciation from Original Cost

SUMMARY
ASSESSMENT OF THE KING OXIDE DIVISION

<u>BUILDING NUMBERS</u>	<u>UNIT</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT COST</u>	<u>VALUE AS IS</u>
		\$	\$	\$
300	Main Laboratory	18,040	14,578	7,034
303	American Block	118,580	161,925	45,783
303	Machinery Shed	-	-	-
304	Ten House	2,350	3,475	1,185
306	Warehouse	18,380	14,580	8,110
306 A	Packer Building	28,050	28,950	9,140
306 B	Warehouse	-	-	-
307	Furnace Building (French Process)	20,060	20,904	8,189
308	Settler Building	6,540	8,917	3,606
309	Bag House (French Process)	4,490	5,379	2,117
310	Change House	1,850	2,295	1,062
311 & 311 A	Oil Pump & Air Compressor House	8,212	4,645	1,410
312	Oil Tanks	4,444	5,919	2,354
313	Sub - Station	6,690	8,915	5,538
314	Furnace Building	78,880	93,660	50,301
315	Settler Building	18,310	25,704	9,638
316	Bag House	16,100	21,905	7,945
317	Retort Storage	8,362	8,915	1,883
318	Laboratory	14,008	19,665	8,316
319	Engineer's Office	578	815	388
321	White Lead Mixing	10,420	16,230	6,800
323	Pulverizer Building	18,980	23,530	8,080
326	Motor House	3,795	5,175	2,050
327	Ore & Galls Storage	8,100	4,640	1,810
328	Shop	450	600	340
332	Pottery	57,038	59,718	14,094
334	Warehouse	8,000	9,000	4,000
	TOTALS	\$406,609	\$545,732	\$206,489
		=====	=====	=====

SUMMARY

ALL STRUCTURES - PLANT YARD

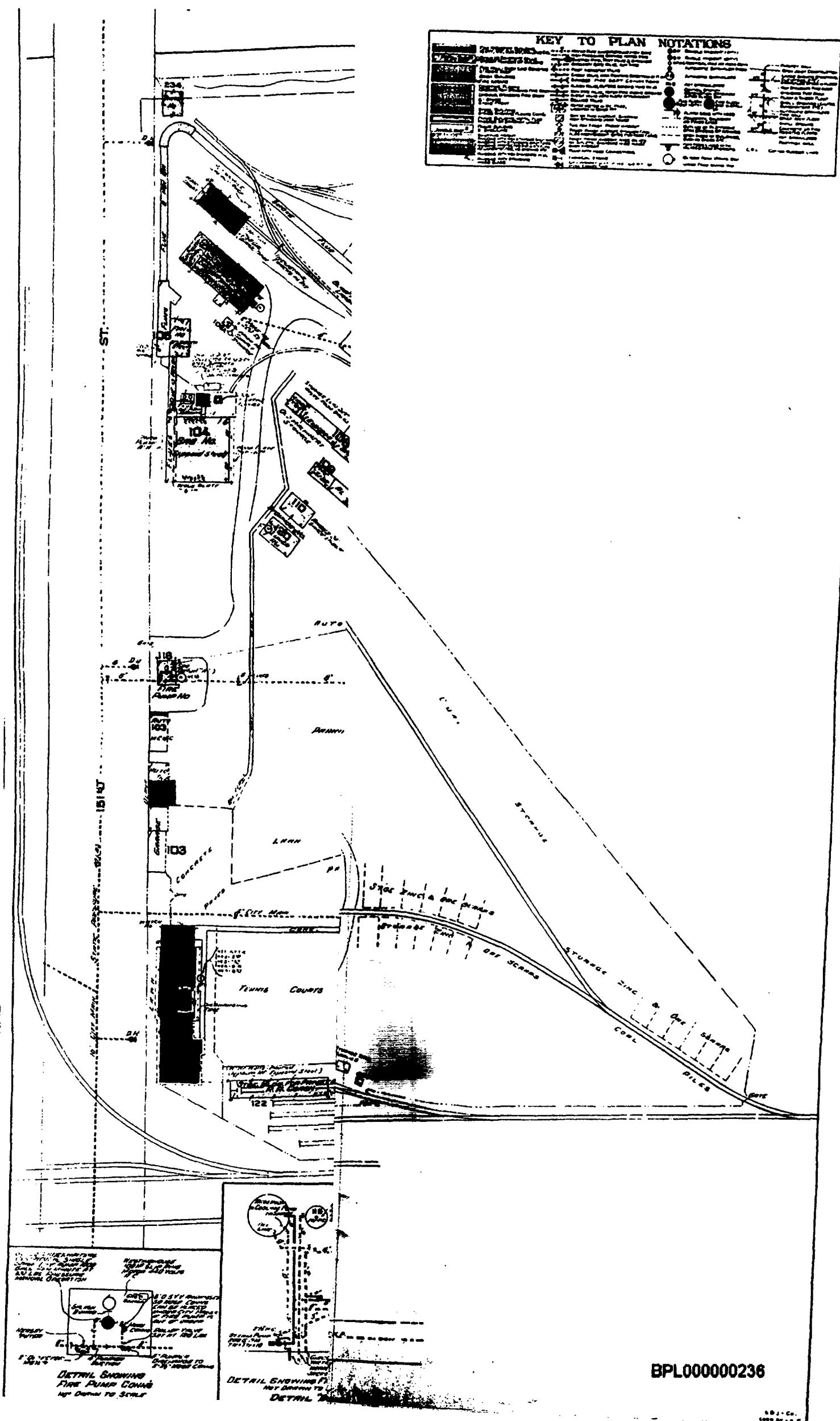
	<u>ORIGINAL COST</u>	<u>REPLACEMENT COST</u>	<u>VALUE AS IS</u>
Fire System	\$25,925	\$25,925	\$14,745
Railroad Track	125,510	173,775	\$71,085
Gas Lines	5,690	7,900	1,500
Steam Lines	18,500	19,000	4,500
Sewer Lines	51,180	70,400	\$28,850
Plant Fences	11,256	\$5,550	4,250
Main Power Line Sub-station	2,070	4,540	2,070
Sidewalks & Paved Roads	17,960	31,400	11,775
Automotive Equipment	12,500	-	7,550
Rolling Stock	7,050	\$0,515	5,607
TOTALS	\$361,114	\$365,936	\$145,615

INSTRUMENT FOLDED

OF

JOHNSON AND HIGGINS INSURANCE

MAP



BPL000000236

GENERAL DESCRIPTION

THIS APPRAISAL COVERS THE

1. REFINING DEPARTMENT
2. OXIDE DEPARTMENT
3. WHITE LEAD DEPARTMENT
4. LAND, YARD AND SERVICES

THIS APPRAISAL HAS BEEN ARRANGED

TO SHOW THE FOLLOWING:

1. ORIGINAL COST OF THE PLANT
2. REPLACEMENT COST NEW AS OF DATE
3. FAIR PRESENT VALUE FOR SALE OR
OCCUPANCY BY OTHERS

The location of International Smelting and Refining Company is 420 East 151st Street, East Chicago, Indiana.

The Plant covers approximately 44 acres of land of which 37 acres is fenced and contains the main plant features. Sixteen hundred feet of the West side of the Plant runs along the undredged portion of the ship canal. The South line of the property faces a paved street.

The Plant is serviced by a siding from the Indiana Harbor Belt Railroad and the Baltimore and Ohio Chicago Terminal Railroad with Pennsylvania Railroad connections entering the East side of the property over two sidings.

Electric power at 11,000 volts is serviced by the Northern Indiana Public Service Company through lines entering the South West corner of the plant.

Water service is supplied from mains of the East Chicago Water Department through a 6" and 8" main.

High Pressure Natural Gas is supplied by the Northern Indiana Public Service Company to Company meters located in the Refining building.

The Sewage system is connected to the City sewers.

The Plant property is subject to the following agreements, indenture and easement.

1. Agreement dated August 1st, 1918 between International Lead Refining Company and Indiana Harbor Belt Railroad Company pertaining to:

a. Permission for a railroad switch entrance to the International Lead Refining property at 149th street to the property.

b. A 6" cast iron water pipe across Indiana Harbor Belt Railroad right of way on or at 149th street.

c. A 6" sewer across Indiana Harbor Belt Railroad right of way on or at 149th street place.

2. Agreement dated May 6th, 1926 between the International Smelting and Refining Company and the Indiana Harbor Belt Railroad Company pertaining to permission for a switch and trackage to the white lead warehouse building at the north end of our fenced area.

3. Agreement dated July 18th, 1927 between International Smelting and Refining Company and Indiana Harbor Belt Railroad Company pertaining to permission to construct a 12" cast iron sewer pipe across the right of way of the Indiana Harbor Belt Railroad Company at 149th street.

An indenture between the International Smelting and Refining Company and the Baltimore and Ohio Chicago Terminal Railroad Company for permission to construct and maintain and operate a sewer pipe at 140th street, dated July 1, 1937.

4. An easement between the International Smelting and Refining Company and the Northern Indiana Public Service Company granting the Power Company the right to install a high line power line on towers across the west side of our plant property.

Dated October 9th, 1944

I. Refinery

The refining of lead is the major operation conducted at this plant. The plant was originally constructed to refine bullion purchased by the International Smelting and Refining Company at Bonsai, Utah. The process used is known in the trade as the Parkes Process. The refining process also includes the recovery of bismuth from the white lead operation.

II. Nine Oxide Department

The Nine Oxide Department is designed to produce nine oxides for the pigment, ceramic and pharmaceutical industries. Several processes are used in manufacturing these oxides. Metallic zinc may also be produced from secondary metals. Because of available supervision and shipping facilities dry white lead, turpentine and linseed oil are ground to lead-in-oil by the oxide department.

III. The White Lead Department

The White Lead Department using the Sperry Electrolytic Process manufactures the various grades of white lead used in the industry. It also separates the bismuth from the lead used as anodes.

INDEX

REFINING DIVISION

<u>UNIT</u>	<u>INCLUDING NUMBER</u>
General Offices	100
Machine Shop and Stores Room	101
Garages	102 A-B
Bag House	104
Fan House	105
Change House	106
Locomotive, Oil House and Garage	107
Stores Room	108
Blacksmith Shop	109
Storage Building	110
Refining Building and Stock	111
Experimental Laboratory	112
Engine House	114
Transformer House	116
Fuel Oil Tanks	117
Fire Pump House	118
Change House	119
Innch Room	120
Blast Furnace Laboratory	121
R.R. Car Storage - President's Private Car	122
Fence Storage	N/T

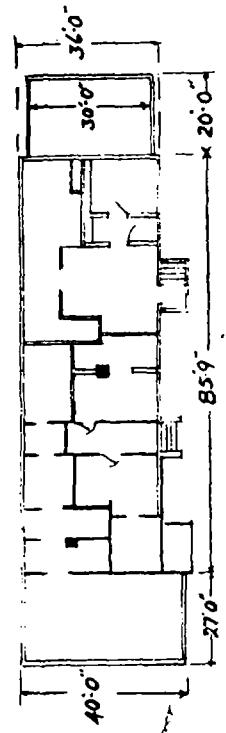
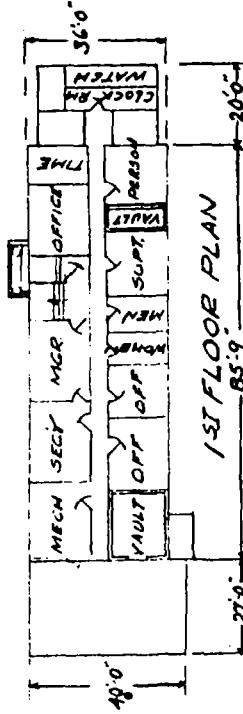
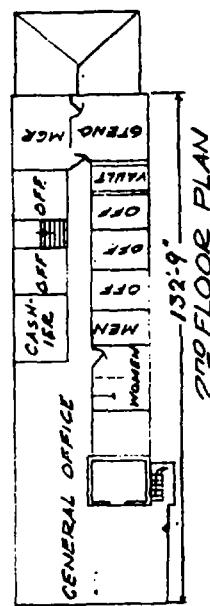
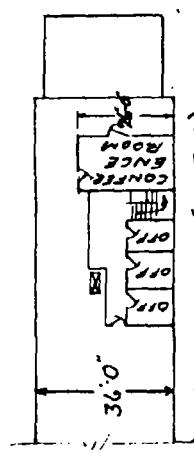
BUILDING - # 100
Structure

PLANT: - General
FEATURE: - Office Building

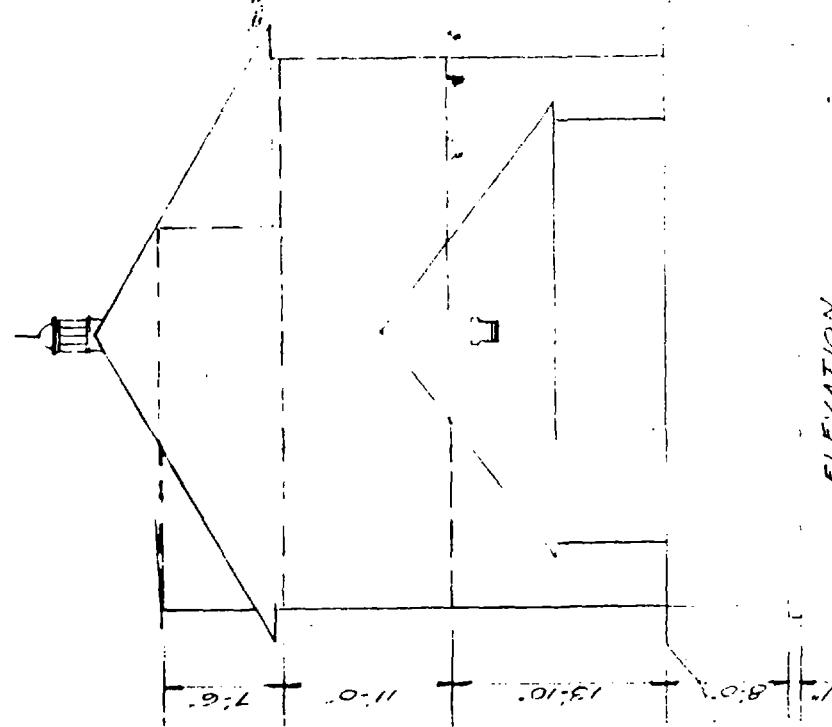
GENERAL DESCRIPTION

The Office Building houses the office of the General Manager, Office Manager and Sales Manager together with their staffs. This building also houses the central telephone switchboard, main gate watchmen and time keeper's office.

The building has a concrete basement timber framing and partitions with outside walls of tapestry brick, inside wired and covered with metal lath, wire and gypsum board finished standard three coat plaster finish painted. The rear is sheeted solid and finished with slate shingles, copper gutters flashing and downspouts. Second and third floor ceilings are insulated. Basement extends under entire portion of office building except clock house on west end. Basement houses automatic switchboard, file storage rooms, emergency boiler for heating purposes, toilet, general utility room, watchman's room etc. On the third floor as shown on the following thumbnail sketch three offices and a conference room have been finished off. First and second floors are partitioned as shown on sketch. All vaults are constructed of reinforced concrete on concrete foundations one above the other. Vaults are furnished with steel safe type doors. Sufficient toilet facilities are furnished on both floors. All offices are adequately lighted by different types of fixtures.



SCALE - 1" = 10 FT
ELEVATION
SCALE - 1" = 10 FT



MAIN OFFICE
BUILDING NO 100
BRICK ON CONCRETE FOUNDATION
SLATE ROOF ON SHEATHING

INTERNATIONAL SMELTING & REFINING
EAST CHICAGO - INDIANA

BUILDING - #100

Equipment

PLANT - Refining

FEATURE - General Office

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT		VALUE AS IS
			VALVE (MM)	VALVE (INCHES)	
(Private Office Furniture)					
2	Tables (executive) Glass Top, Walnut	\$ 612	\$ 635	\$ 640	
2	Books (executive) Glass Top, Walnut	440	890	920	
2	Chairs (executive), Swivel, Walnut Leather	170	250	250	
4	Chairs, Straight, Walnut Leather	320	450	440	
2	Hall Chairs, Walnut	45	64	56	
1	Hall Tree, Mahogany	54	58	58	
1	Desk, 72" x 48", Mahogany	152	140	90	
1	Desk, Hall Type, Mahogany	150	200	115	
1	Chair, Swivel, Mahogany	52	65	58	
4	Chairs, Arm, Mahogany, Mahogany	54	72	48	
1	Desk, 64" x 36", Mahogany	140	130	100	
1	Chair, Swivel, Mahogany	52	65	58	
2	Chairs, Mahogany, Mahogany	50	65	57	
1	Davenport, Mahogany, Mahogany	85	115	68	
1	Desk, 64" x 36", Glass top, Walnut	150	200	115	
1	Chair, Swivel, Walnut	50	65	57	
2	Chairs, Straight, Walnut	50	65	57	
1	Book Case and Cabinet, Steel, Mahogany	50	65	57	
1	Small Safe Cabinet, Mahogany	15	20	12	
1	Chair, Chrome, Leather	5	10	4	
1	Steel File (20), Walnut	50	77	68	
(Other Equipment and Furniture)					
2	Supply Cabinets, Doors and locks, steel	45	60	55	
1	Addressograph, model 400, complete with trays, etc.	521	705	530	
1	Graphotype, complete	195	250	145	
1	Auto Personal Visible Records System complete with files	410	572	380	
1	Postage Meter Machine	252	375	210	
1	Envelope Sealer	15	20	11	
1	Triner Postal Scale	10	15	7	
1	Standard Duplicating Machine	505	405	250	
1	Tell Protectograph	140	190	155	
2	Y & Z Checkwriter, electric	220	305	170	
1	Carrier Mailbox	50	90	50	
1	Burroughs Bookkeeping & Payroll Machine	1,350	1,850	1,040	
5	Trays, steel, for above	50	65	57	
5	Steel file for above	50	65	57	
1	Table for trays for above	5	4	3	
1	Steel Coat Locker, oak finish	50	65	57	
1	Safe Cabinet (fireproof) Large	450	640	560	
1	Steel File Cabinet with casters (SD)	55	87	69	
1	Steel File Cabinet with casters (SD) semi-fireproof	110	150	98	
1	Steel File Cabinet with casters (SD) semi-fireproof	50	100	68	
1	Mixer Mixing Machine, Electric	215	300	165	
2	Burroughs Mixing Machines, Electric	457	545	510	
2	Burroughs Mixing Machines, Portable	500	567	150	
1	Burroughs Payroll Posting Machine, Electric	457	550	510	
12	Electric Fans, 15"	500	400	225	
5	Electric Fans, 12"	50	80	45	
2	Electric Fans, 8"	50	60	38	

BUILDING - #100

Equipment

PLANT: - Refining

FEATURE: - General Office

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL \$697	VALUE (\$K)	
(Other Equipment & Furniture, cont'd.)				
4	Bookcase, 3 sections, oak	\$ 50	\$ 50	\$ 40
1	Bookcase, 4 sections, oak	50	57	12
4	Bookcase, 5 sections, oak	100	135	75
1	Bookcase, 6 sections, mahogany	10	14	7
16	Steel File, 6 drawers, oak	575	765	420
6	Steel File, 8 drawers, oak	106	140	70
1	Steel File, 10 drawer, oak	50	60	35
5	Steel File, 12 drawers, oak	46	55	35
2	Steel File, 14 drawers, oak	55	55	15
1	Karter Set consisting of (with stand)	200	277	150
	4 - 12 drawer section			
	5 - 12 drawer section			
	1 - 14 drawer section			
5	Steel Card File, 5 drawer	50	65	35
1	Wood Card File, 5 drawer	40	55	20
1	Wood Card File, 10 drawer, oak	50	65	35
1	Steel Card File, 8 drawer	15	20	10
1	File Unit, 10 drawer, oak	204	270	150
1	Card Index Unit, 4 drawer, oak	25	35	15
1	Letter Filing Box	15	16	9
1	Letter File, 2 sections, oak	10	14	7
1	Steel File, blue prints	100	170	90
1	Steel File, steel safes for reports, etc.	25	35	20
1	Wooden File, glass analysis for reports, etc.	10	14	7
1	Wooden Filing Box	20	25	15
1	File Cabinet with sections, oak	15	20	10
1	Section Wood File, 4 two drawer sections, oak	150	181	100
1	Section Wood File, 3 cabinets, oak	25	35	20
1	Section Stationery File, 4 drawer, oak	27	35	20
1	Section Metal Cabinet, oak	50	75	45
1	Steel Cabinet	25	30	15
1	Steel Combination File, 4 drawer	15	16	9
1	Steel Form File, 7 drawer	50	75	40
5	Wood File, 4 drawer, oak	100	100	110
1	Wood File Cabinet, oak	40	55	35
1	Steel Stationery File	25	30	15
1	Steel File Cabinet on casters, semi-fireproof, (SD)	111	145	70
1	Bank of Washington Hand Credit File counter high consisting of:	445	695	350
	7 - Counter Units with Locks			
	1 - Counter Hand Index Unit			
	1 - Cashier's Unit			
2	Micromagnetic Unit complete, electric	500	600	350
1	Hilite File Micrograph	157	200	120
1	Bench, rectangular, oak	45	55	35
1	Chair, straight, oak	15	16	10
1	Bench, rectangular, walnut	45	55	35
1	Table, rectangular	15	20	15
1	Table Lamp, desk	25	32	20
1	Water Cooler, 5 gallon	175	200	120
1	Water Coolers, 5 gal	200	240	140
1	Drafting Table	45	60	35
10	Desks, Typewriter, side type	415	587	315

BUILDING - #100

Equipment

PLANT - Refining

FEATURE - General Office

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (1950)	VALUE AS IS
(Other Equipment & Furniture, cont'd.)				
7	Desks, Typewriter, cedar	645	636	120
22	Books, 50" x 30", oak	930	1,330	660
5	Bunks, 60" x 48", double, oak	120	160	70
5	Desks, 60" x 30", oak	120	160	70
2	Desks, 36" x 30", oak	60	80	41
8	Books, Roll Top	100	300	110
1	Desk Comptometer, oak	30	52	39
37	Chairs, Swivel type, oak	542	790	445
29	Chairs, straight, oak	120	370	215
11	Chairs, Burroughs Posture, Steel	209	276	155
2	Underwood-Keuffel Milling Machines, complete	810	660	660
1	Underwood Typewriter, 18 inch	112	150	70
2	Underwood Typewriter, 14 inch	60	912	560
4	Underwood Typewriter, 18 inch	901	380	215
3	Ramington Typewriter, 14 inch	306	400	220
2	Ramington Typewriter, 14 inch, miscellaneous	204	372	150
1	Electromatic Typewriter	200	530	200
4	Dictophone Machines	1,170	1,060	660
3	Dictophone Transcribers	225	300	175
1	Dictophone Shaving Machine	104	140	70
7	Line-a-times	60	110	60
4	Mercos Calculators, hand	638	1,097	610
1	Mercos Calculators, Electric	255	540	180
4	Marchant Calculators, hand	656	1,100	615
2	Marchant Calculators, electric	654	678	560
1	Burrroughs Calculator, electric	500	400	225
1	Comptometer Calculator, electric	400	550	300
2	Book Lamps,	15	14	9
18	Tables, various sizes, oak	618	416	228
11	Hall Trees, oak	77	90	55
1	Telephone Stand, oak	18	34	14
1	Stationery Cabinet, oak	60	80	45
1	Small Cabinet, oak	15	16	9
1	Steel Storage Cabinet	22	30	17
6	Steel Clothes Lockers (Plant type)	20	40	20
2	Clock Recorders - International	268	477	275
1	Master Clock	207	375	180
1	Paper Shredder	145	195	120
1	Florence Floor Scrubber	145	220	125
5	Chairs - Lloyd's	48	65	35
1	Table - Lloyd's	50	15	7
1	Settee - Lloyd's	24	35	18
1	Couch and Pillows	21	35	18
1	Couch	22	45	24
1	Chair Howell	17	35	18
1	Director's Table	45	50	30
5	Chairs - conference	75	100	50
Miscellaneous storage shelves and file cases and vault fixtures		2,000	2,800	1,500

BUILDING - \$100

Equipment

PLANT: - Refining

FEATURE: - General Office

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
	Boiler, etc.	\$1,500	\$8,000	\$ 800
	Special Lighting	8,000	4,000	1,500
	Sound Proofing	1,400	1,700	900
	Transformer	450	600	250
	Labor of handling and installation	1,650	3,225	1,177
	TOTAL	\$34,912	\$48,645	\$24,605

BUILDING - #101

Structure

PLANT: - Refining

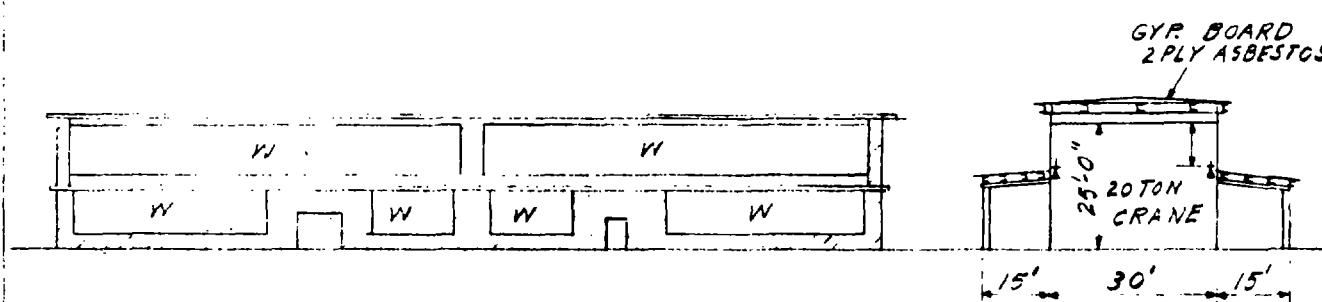
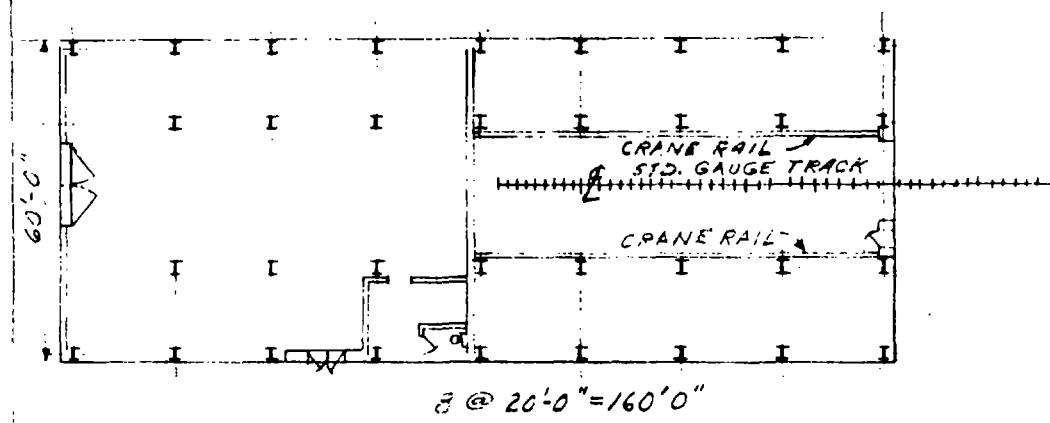
FEATURES: - Machine Shop and Storeroom

GENERAL DESCRIPTION

The Machine Shop and Storeroom are housed in a single building about equally divided by a tile partition wall. The south portion of the building houses the general plant storeroom which carries the usual maintenance materials and supplies. It has two heated offices; one which serves the storeroom, the other is used as a weighing office serves a fifteen ton truck scale just east of this structure. The Machine Shop portion of the building houses the electrical shop, pipe shop, welding equipment and the general Machine shop where sufficient equipment is provided for general plant maintenance.

The building of steel and brick construction is built on concrete foundations with a concrete floor laid on earth fill. Steel sash and doors are provided throughout. The roof is a gypsum, poured in place slab, over a sheet rock base and surfaced with a builtup asphalt roof. Ample ventilation is furnished by a chain operated sash which opens along the monitor. A standard gauge railroad track enters the shop from the north and a loading platform extends along the entire west length of the building, which is served by a depressed standard gauge track.

The equipment has been mentioned above.



STORE ROOM & SHOPS
BUILDING NO 101
BRICK & STEEL ON CONCRETE FOUNDATION
STEEL SASH

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA.

BPL000000248

BUILDING - # 101

Equipment

PLANT - Refining

ITEMS - In Storage at Machine Shop

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT</u>	<u>VALUE AS IS</u>
1	Motor Co. tag # 555 10 HP 900 RPM	\$100	\$100	60
1	Motor Co. tag # 181 8 HP 1150 RPM	75	75	40
1	Motor Co. tag # 10 20 20 HP 900 RPM	250	200	150
1	Motor Co. tag # 181B 8 HP 1200 RPM (New)	110	110	110
1	Motor Co. tag # 181A 8 HP 1200 RPM (New)	110	110	110
1	Motor Co. tag # 120A 8 HP 1200 RPM (New)	65	65	65
1	Motor Co. tag # 114 11.5 HP 1200 RPM	45	50	35
1	Motor Co. tag # 17 8 HP 900 RPM	150	145	65
1	Motor Co. tag # 24 20 HP 1150 RPM	625	750	300
1	Motor Co. tag # 628 8 HP 1200 RPM Gear reducer unit 17.8 - 1 ratio	70	90	40
1	Motor Co. tag # 514 8 HP 1200 RPM	67	80	35
1	Motor Co. tag # 573 8 HP 1750 RPM	60	60	30
1	Motor Co. tag # 67 8 HP 1200 RPM	55	65	30
1	Motor Co. tag # 1A 7-1/2 HP 1200 RPM	65	105	45
1	Motor Co. tag # 203 8 HP 1150 RPM	65	105	45
1	Motor Co. tag # 2A 10 HP 2400 RPM	130	140	65
1	Westinghouse 5.7 HP 440 volt 2200 RPM	55	65	30
1	G.E. Induction motor 230/440 Model 5K254/A2	55	65	30
1	Set crane pulleys	30	40	15
5	Pair bearings 1 - 2-5/8" diameter, 2 - 2-7/8" diameter.	60	90	50
1	Crane brake wheel	20	30	10
1	Lead conveyor machine with Flexoid speed control box (partly constructed)	200	200	50
1	Sytron vibrator feeder, model 260 (New)	550	550	300
2	Paste Brothers speed reducers ratio 25 - 1	100	120	80
15	Lead molding screens	30	30	10
1	Xacto oil meter No. 817335	150	150	125

BUILDING - # 101

Equipment

PLANT - Refining

ITEMS - In Storage at Machine Shop

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Buffalo water meter, 2" intake, 2" outlet	40	60	20
1	Lead pump housing, complete with impeller and shaft	100	150	50
1	Lead pump housing and parts	80	100	40
	Miscellaneous pump shafts and parts (Lot)	40	60	20
1	U. S. Hoffman vacuum cleaner, complete with motor and attachments	1,100	1,500	600
17	Pure lead molds (junk)	-	-	15
8	Boper lead pumps size 4	60	80	20
2	Forks for lead lifting cross hoist	80	100	50
1	Foot Brothers speed reducer, no data	50	40	20
1	Anode wash machine shaft	8	10	1
5	Irons-Pirella stockars (old)	500	600	20
5	Anode buggy wheels	15	20	5
6	Pump castings No. R - 275	110	160	60
6	Pump castings No. 225A	110	160	60
1	Boring pump	40	50	20
2	Excelsior rotary pump size 4	60	80	20

BUILDING - # 101

Equipment

PLANT: - Refining

DEPARTMENT: - Machine Shop

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	W. F. & J. Barnes 15" drill press, direct from Co. motor. tag # 84	75	100	50
1	W. F. & J. Barnes 20" drill press No. C-501	100	150	40
1	Steel cabinet four drawers 25" x 27" x 48"	20	35	10
1	Heavy grinder, two wheels, 6" diameter - driven by Peerless motor Co. tag # 24	40	70	20
1	Braillard milling machine, Universal Standard #5	200	300	50
1	Home made steel top table 36" x 36" x 1/2" plate	15	30	5
1	Steel locker, three doors, 15" x 5" x 5'7"	14	20	7
3	Steel chairs	10	12	5
1	Smith & Mills 15" shaper	200	400	30
1	Steel box, 2 trays, mounted on wallers 24" x 30" x 30"	10	15	5
1	Steel cabinet 15" x 30" x 48"	5	10	5
1	Steel locker two doors, 15" x 30" x 5'6"	6	12	4
1	South Bend Lathe 15" bed, 22" swing - complete with quick change gears, two chucks, two face plates	900	1,200	400
1	Wood top work bench 30" x 14" long - 3 drawers	30	40	10
1	Parker Bench vice 4" jaw	12	15	6
1	Rev-o-nec bench vice, swivel base 4" jaw	12	15	6
1	Steel stand, three trays 15" x 40" x 50" high	10	15	5
1	Steel layout table 36" x 36" x 36"	18	20	6
1	Floor lamp, 6' high - 200 watt	4	6	3
1	Kearney & Trecker, Milwaukee Milling Machine No. L-1/2 special. Complete with dividing head and gear cutting attachments	300	1,200	500
1	Gould & Knobbe 20" shaper high duty double train gear	400	900	300
1	Steel cabinet 5 drawers, 25" x 25" x 50"	12	15	6
1	Steel cabinet 5 drawers, 25" x 25" x 50"	14	24	7

BUILDING - # 101

Equipment

PLANT - Refining

FEATURES - Machine Shop

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (1955)		VALUE AS IS
			\$	\$	
1	Monarch High speed saw, 14" blade	40	150	20	
1	Steel locker, 2 doors, 18" x 58" x 6'6"	12	15	5	
1	Steel lay-out table 50" x 78" x 32"	10	14	5	
1	Steel locker, 2 doors, 18" x 58" x 50"	12	15	5	
1	Henry Pals Punch Press and shear machine Direct belt (v) drive Co. motor tag # 172	450	300	300	
2	Steel hoppers 6' long 28" high	30	24	10	
1	Calburn Vertical Boring Mill, 50" chuck, Direct drive from Co. motor, tag # 1861	300	300	200	
1	Air cooling fan Co. motor tag # 99A	110	170	50	
10	Miscellaneous drive pulleys and bearings for belt drive.	120	200	40	
1	Whiting overhead crane, 20 ton capacity No. 3200 complete with Detroit air hoist 5 ton capacity	2,000	3,000	1,000	
1	Pipe fitters storage bin 18" x 18" x 5' (lot)	100	150	40	
1	Wood pipe - fitters bench 54" x 10'	10	15	5	
1	Toledo pipe vise No 2				
1	Wood pipe vise No 64	20	25	10	
1	Steel locker 18" x 58" x 6'6"	4	5	2	
1	Wood top work bench 6 drawers 58" x 15' long	15	20	10	
1	Parker bench vice No. 25 , 5-1/2" jaw				
2	Parker bench vice No. 504, 4" Jaw	30	45	15	
1	Toledo pipe threading machine No. 1-2-4 serial 24354 Motor tag # 514	1,400	1,800	1,000	
1	Acme bolt threading machine No. M-9949 Complete with motor tag # 544, Western quick change speed transmission	500	500	75	
1	Work bench, 7 drawers 58" x 18' long	15	20	10	
1	Parker bench vice No. 154, 4" jaw				
1	Morgan bench vice No. 60, 6" jaw	20	25	10	
1	Yale chain hoist, 1/2 ton capacity	20	40	10	
1	Steam heating unit, 20" x 25" complete with blower fan # 247	110	125	40	

BUILDING - # 101

Equipment

PLANT - Refining

FEATURE - Machine Shop

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
4	Portable oxy-acetylene welding and cutting torches	400	600	300
1	Wood work bench 6 drawers, 28" x 15"	10	18	8
1	Koch Jiffy pipe bender	30	30	10
1	Morgan Pipe vice No. 150 5" jaw	6	12	3
1	Deck, 3 drawers, 36" x 58" x 48"	8	16	8
1	Wood work bench, 6 drawers, 28" x 15"	10	18	5
1	Parker bench vice No. 31 5" jaw	6	12	3
1	Electric bake oven 22" x 41" x 34"	30	40	15
2	Wood motor horses 18" x 48" high	8	10	4
2	Grease cleaners	40	60	30
1	Steel welding table 36" x 58" x 34" high	30	50	10
1	Steel cupboard, four shelves, 18" x 38" x 6'6"	8	12	4
1	Circular oxy-acetylene cutting torch	30	55	15
2	Pixmore electric welding machine Co. tag # 1428	700	800	400
1	Steel locker 18" x 20" x 48"	6	12	3
1	Precision drill press	24	30	12
1	Electric clock	6	8	3
1	Hydraulic conduit bending machine	100	125	40
4	50 gallon trash cans	8	12	4
1	Lincoln Vacuum cleaner	30	40	15
1	2 gallon safety gas can	6	10	4
1	Westinghouse water cooler	250	275	150
1	5 gallon safety gas can	8	4	1
1	50 lb. anvil	10	20	5
1	Line shaft motor, Ge. tag # 106	60	80	35
18	Foot line shaft 8" diameter	30	54	5
2	(On shop platform --> Warehouse Stock) Wire tying machines with conveyor	1,000	2,000	100
1	Jack lift	500	500	100
1	Vacuum sweeper (home made)	150	150	50
	Miscellaneous scrap - including bins	30	100	40

BUILDING - # 101

Equipment

PLANT: - Refining

FEATURE: - Machine Shop

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Circular heating unit complete with fan, in middle of shop roof, unit approximately 36" diameter	125	150	60
1	Line shaft drive motor, tag # 23	75	150	35
42	Feet line shaft 3-5/8" diameter, complete with four bearings, 3 pulleys	50	125	25
5	GE - 7006 - 04 starters	50	54	12
6	Clark No. 1 starters	60	90	30
1	C. E. 7008 - B - 6 Magnetic Reversing starter	60	75	50
9	On & off push button station	50	45	15
1	C. E. push button station, forward, reverse and stop C-R 2940 No 120	10	15	5
500	Feet 1/2" conduit			
400	Feet 3/4" conduit & outlets			
400	Feet 1" conduit			
1	Benjamin - Starter, 3 phase, panel board 400002	400	800	800
1	Benjamin - Element 110/220 volt 60 amperes 15 circuit panel board 400002			
41	Overhead light fixture			
1	Oster pipe threading machine No. 500	40	100	20
1	Hills & Maxwell No. 2 Key-matic	100	150	60
1	Steel locker, 2 doors, 18" x 48" x 40"	5	10	5
1	Weaver High speed 50" press	50	60	10
1	Emery-grinder, 2 wheels, 10" diameter, Driven by Ge. motor tag # 367	55	50	15
1	South Bend Lathe 11" swing, 6 foot bed, Complete with gears and motor Ge tag # 1064	825	400	100
1	Pack	2	20	4
1	Chair	10	20	4
1	Wood file cabinet, two drawers 15" x 24" x 44"	12	15	4
1	Blue-print file desk, 6 drawers, 36" x 48" x 48"	10	50	5

BUILDING - # 101

Equipment

PLANT - Refining

FEATURE - Shop and Stereocam

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Truck scale - 15 tons	5,000	4,000	3,000
	Shelving and bins	1,200	2,000	600
	Lofts and floors	2,000	3,000	900
	Office divisions:			
	Tool room	500	500	250
	Upstairs	600	1,000	400
	Scale	400	600	200
	Stereocam	400	600	200
	Office equipment:			
	Books			
	Files (lot)	400	600	300
	Safe			
	Typewriters			
	Tool room equipment (lot)	5,000	4,000	1,500
	Ruler for M.G. set not carried on inventory	2,500	2,500	1,500
	(Electrical Instrument Cabinet)			
2	Westinghouse Portable current transformers	80	95	60
1	G.E. Curve drawing wattmeter	225	270	135
1	Westinghouse Portable polyphase wattmeter Type P A.C.	175	210	110
1	Portable shunt for Weston millivoltmeter Model-1	50	55	30
1	Weston direct reading -- alternating & direct 0 - 150 - volts 0 - 600 volts	200	340	135
1	Columbia Tong Tester 0 - 50 0 - 500 amperes	50	60	35
1	Weston A.C. ammeter	125	150	85
1	G.E. ammeter 0 - 60 amperes Type P	125	150	85
1	Westinghouse portable ammeter type P.M. for A.C. Amperes 0 - 10	150	155	85
2	G.E. Potential Instrument Transformers Type E-4- 2200 - 110 volts	70	85	50
1	Weston D.C. voltmeter 0 - 200 0 - 150 volts	150	180	90
2	Esterline Angus Universal current transformers Serial 50749	80	95	50
1	Weston D.C. voltmeter 0 - 15 volts	150	180	90
1	Weston D.C. ammeter 0 - 150 0 - 15 amperes with external shunts	150	180	90

BUILDING - # 101

Equipment

PLANT - Refining

FEATURE - Shop and Stereosc.

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
2	Portable voltage transformers	150	150	90
1	Weston direct current ammeter 0 - 100 with external shunt	150	195	95
2	G.E. current instrument transformers type D-2	80	95	50
2	G.E. Potential instrument transformers type D-4 440 volts 220 volts to 110 volts	200	240	125
1	G.E. current transformers 250 amperes Type S Ratio 50 - 1	45	54	25
1	Reterline Angle (Graphing) without motor Model I.R.	250	275	175
1	G.E. current transformer 250 amperes Type S Ratio 50 - 1	40	48	25
1	Weston D.C. volt-ammeter - Model - 1 0 - 100 amperes .01 - 100 volts	200	240	140
1	Engineer level with tripod etc.	200	275	175
1	Transit with tripod & stadia rod	250	425	250
	Labor of Handling and Installation	<u>5,500</u>	<u>7,250</u>	<u>5,500</u>
	TOTALS	\$59,000	\$87,485	\$50,717

BUILDINGS - #108 - 1934

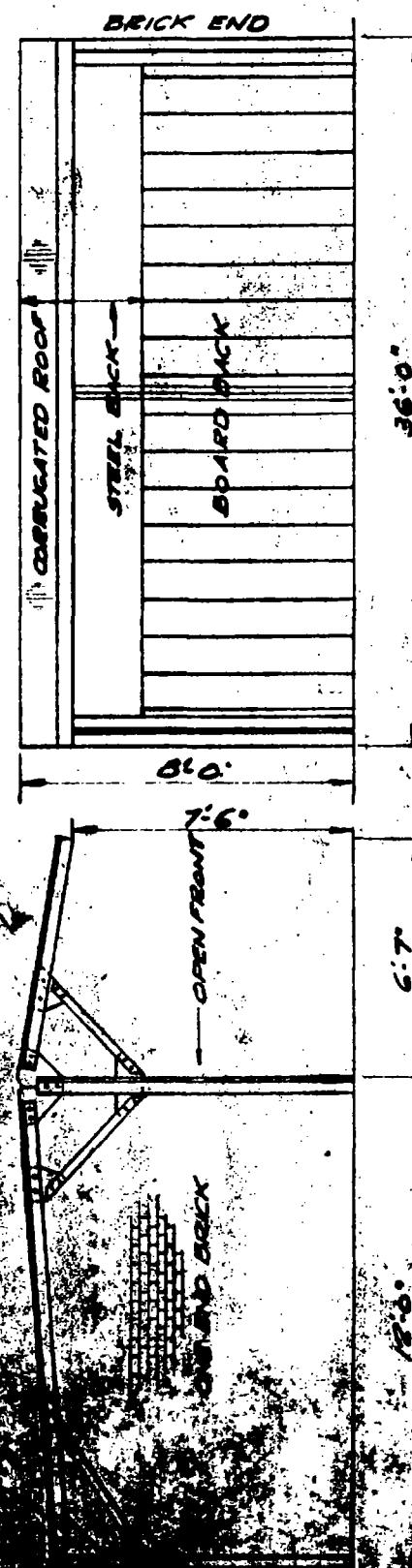
Structure

PLANT - Refining

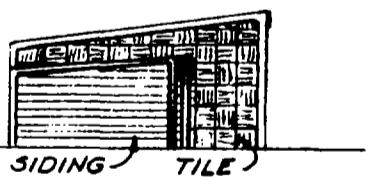
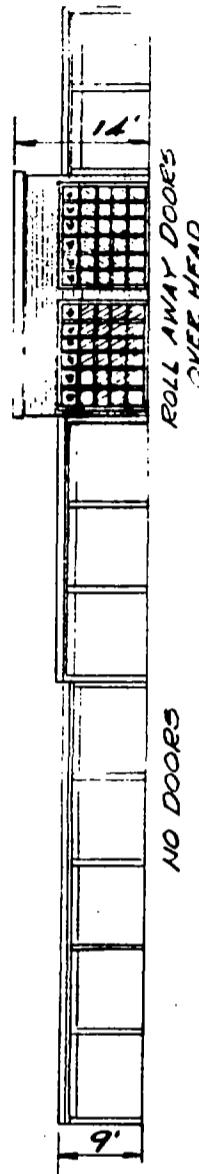
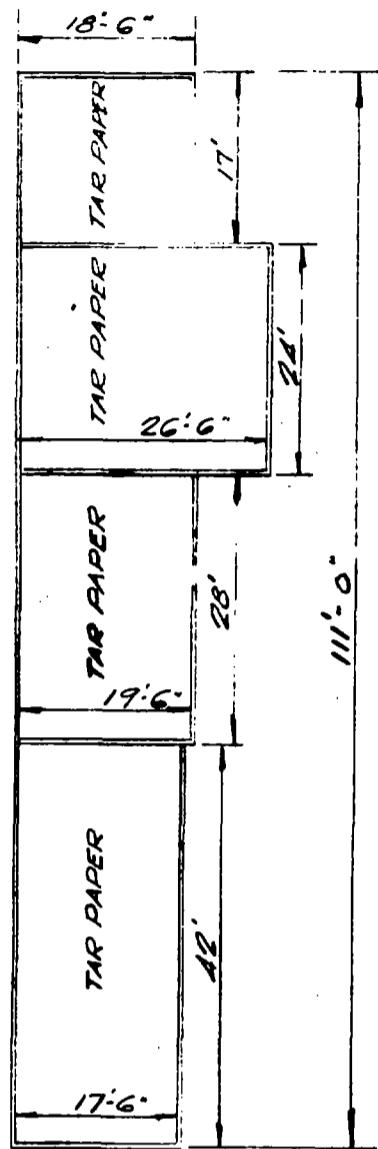
FEATURES - Garage

GENERAL DESCRIPTION

Two open faced shed type garages are used for office employees cars. One is constructed of wood, the other of steel covered with corrugated iron, both have a surfaced floor. The garage, noted as 1934, is constructed of hollow tile with a wood deck roof covered with roofing paper. It is built on a concrete slab which serves as a floor. This garage has two overhead wood doors and is heated with an automatic gas heater unit. This unit is used to house the two tractor units which serve our trailers.



BPL000000258



AUTO GARAGES
BUILDINGS N8103-103A

INTERNATIONAL SMELTING & REFINING CO.
EAST CAMPBELL - INDIANA

BUILDING - #104

Structure

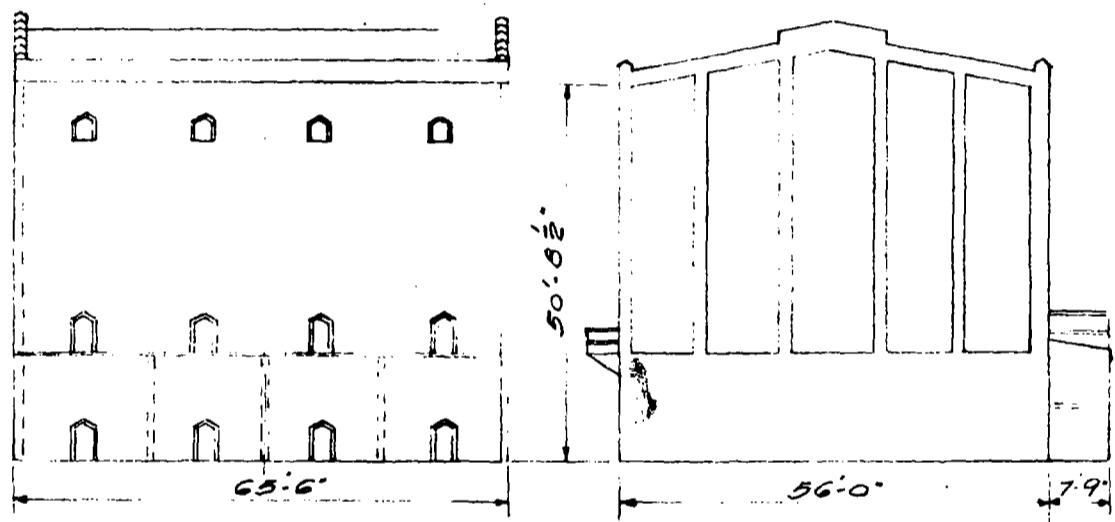
PLANT - Refining

FUNCTION - Bag House

GENERAL DESCRIPTION

The Refinery Bag House was built to collect the fume from the smelting processes at the Refinery. It consists of a brick structure erected on concrete foundations with the first floor poured on sand fill. The thinble floor is reinforced concrete supported on the outside brick walls and on three interior partitions which divide the dust chamber into four separate parts. The structure above the thinble floor where the bags are suspended is one large room. The bags being suspended from steel trusses which support the concrete slab forming the roof. A built-up roof is applied over the concrete roof slab. A stack of ample proportions connected by a steel flue about eight feet in length to the Bag House, vents the waste gases to the atmosphere.

The equipment consists of 876 wool bags suspended from an automatic shaking mechanism built into the roof trusses, a screw conveyor system to remove the dust from the bags at grade level and a reverberatory gas fired furnace in which the dust is melted to a slag with a truck and cars to transport the slag to the Refinery.



SCALE - 1" = 20FT

REFINER BAG HOUSE
BUILDING NO 104
ALL BRICK - STEEL TRUSSES

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BPL000000261

BUILDING - # 104

Equipment

PLANT: - Refining

FEATURE: - Bag House

ITEM NUMBER	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)		VALUE AS IS
			ITEM	UNIT	
324	Bag house	\$,800	8,800		500
1	Complete shaking mechanism				
4	Shaking motors, Reliance gear type Co. tag # 190, # 193, # 193, # 191				
4	Danger operating screw mechanism				
4	Westinghouse gear motor, Co. tag # 228, # 228, # 227, # 228				
4	Clark weather proof push button controller, forward, reverse, stop	1,500	3,000		800
4	Clark drum type limit switches complete with gear reducer.				
600	Feet 1" conduit				
1200	Feet No. 8 Rubber covered wire				
300	Feet 3/4" conduit				
2800	Feet No. 14 Rubber covered wire				
1	Bag house furnace, steel jacket, brick lined 6' x 10' x 8'	\$,000	5,000		1,000
20	Feet Brick flue 8' x 8'	600	700		200
1	Elevator (Flue dust) Driven by Reliance gear motor, Co. tag # 178 2 H.P. 1180 RPM - Gear motor- Reliance	400	600		500
20	Feet 8" screw conveyor, U shaped, open top	140	160		70
2	Bevel gear end-drives # 10-028-112-5-2	40	60		50
(Bag House Furnace)					
1	8" Main screw conveyor, Driven by Co. motor tag # 309, coupled to Roots blower speed reducer. No name plate data. 10 HP 960 - 1180 RPM	600	900		400
4	Chamber conveyor, Driven by Reliance gear motor tag # 217 1720 RPM 50HP	1,100	1,200		500
1	Exhaust fan 42" diameter, 15-1/2" wide, 14" exhaust, 14" intake, Driven by motor Co. tag # 361 P-1/2-300, 300 RPM	70	80		50
25	Feet 14" steel exhaust flue pipe	50	60		10
10	Feet 10" steel exhaust flue pipe	15	15		5
5	Relay outlets, 3 phase, 440 volts	50	50		10
1	100 ampere bolt safety switch	40	40		15
1	60 ampere bolt safety switch	20	20		10
5	Clark size 1 starters	50	60		15
1	Gas Fired burner, 1000 cu ft/min	5,000	4,000		500

BUILDING - # 104

Equipment

PLANT: - Refining

FEATURE: - Bag House

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Clark size 8 starters	\$5	50	15
4	Off & on push button stations	8	12	4
1	Exhaust Hood 54" x 54" x 48" High	100	150	60
1	Air cylinder, 4" diameter 50" long	30	36	15
	Miscellaneous	2,000	5,000	1,000
1	Bristol Recording Thermometer model 340 M, serial 816178, Range 40-500° Fahr. Complete with alarm contacts	185	150	50
	Labor of Handling and Installation	<u>3,487</u>	<u>6,183</u>	<u>871</u>
	TOTALS	\$26,680	\$36,735	\$6,685

BUILDING - #108

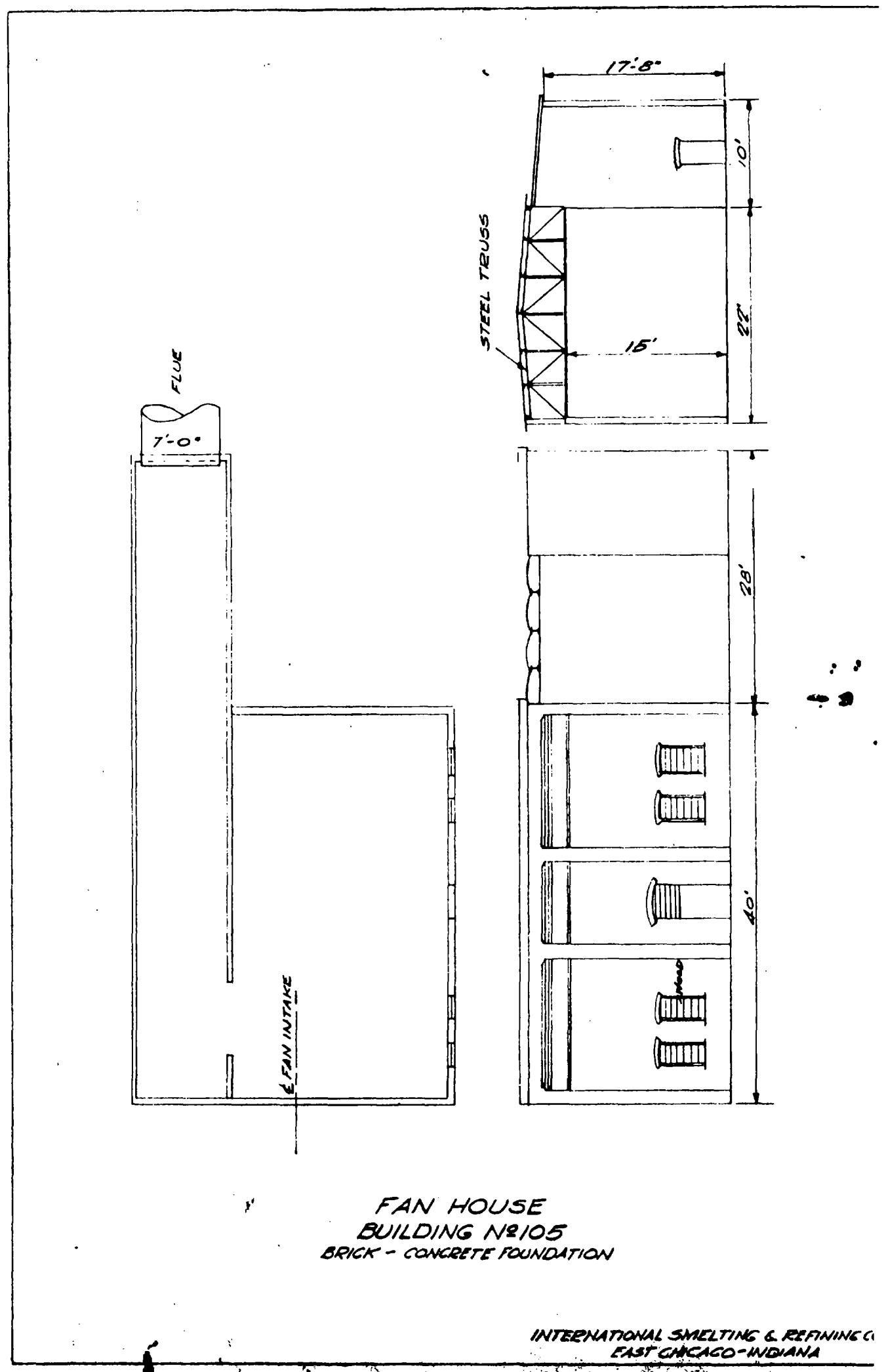
Structure

PLANT: - Refining

FEATURE: - Fan House

GENERAL DESCRIPTION

The Fan House was constructed to house the fan, motor and controls necessary to remove and transport the fume from the smelting units. It is built of brick on concrete foundations with a reinforced concrete roof on steel trusses. It is finished with a built-up asphalt roof. The equipment consists of a fan and motor, an automatic lime feeder, an automatic cold air damper and the mechanism for automatic shaking of the bag house bags. Bag house recording instruments are housed also in the fan room. The building is heated with a stove.



BPL000000265

BUILDING - #106

Equipment

PLANT - Refining

STRUCTURE - Fan House

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (1950)	VALUE AS IS
1	Bromo Van #14	\$800	\$1,300	\$600
1	50 H.P., 300 RPM G. E. Motor Co. #45	450	500	270
1	Clark Resistance Starter, 50 H.P.			
1	200 Amperes I.T.E. Circuit Breaker	150	150	50
1	200 Amperes type A.N.I. Westinghouse Circuit Breaker	110	140	50
1	100 KVA G. E. Capacitor #58147, Type GL-1 3 phase, 60 cycle	200	300	100
40 ft.	12" Endless Leather Belting	200	350	75
50 ft.	10" Endless Leather Belting	100	150	50
1	(Lime) Drives Feeder 3' x 2'6" x 3' high Lime Hopper	160	275	50
10 ft.	2-1/2" Line Shaft			
2	7-1/2" Babbitt Pillow Blocks			
1	24" diameter, 14" face Cast Iron Pulley			
1	32" diameter, 14" face Cast Iron Pulley			
1	Steel Stairway, 24" wide, 14 steps complete with pipe hand rails	12	15	8
5	Clark Size #1 Reversing Starters	150	170	40
4	Clark Size #1 Starters	40	60	20
1	60 amperes I-T-E Circuit Breaker	40	55	20
1	Clark (Forward & Reverse) Push Button Station	25	35	15
1	(Eagle Signal Corp.) Control for Baghouse Shakers and Dampers	275	400	175
1	Cold Air Damper			
1	Westinghouse Gearmotor Type 1, 60. #155	140	150	70
2	Westinghouse Hatchway Limit Switches	15	20	5
1	6" Link Bolt Chain Sprocket	450	550	250
1	24" Link Bolt Chain Sprocket			
10 ft.	Link Bolt Chain			
4	G.E. Push Button Stations, GNS-40-SNS Inst. GNS-1055 (Hand-off-Auto)	10	15	8
1	Ellison Vertical Draft Gauge	20	35	14
1	Ellison Differential Draft Gauge	20	35	14
1	Bristol Temperature Recorder, Model 40M, Serial 850832, Chart 2157, Clock 24 hours, Range 0-212, W.R. Vac	60	75	40

BUILDING #108

Equipment

PLANT: - Refining

STRUCTURE: - Fan House

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Foxboro Temperature Controller Chart 57543 Type Glass 2, Range 30 to 220° F. tubing 25 ft., Immersion 6", Elevation 9 ft. above contacts, Type 1-2-3, Relay 44444, Coil 110 volts	\$85	\$185	\$40
37	Metal Cage for top of H.H. Dags	80	100	80
22	Cage for H.H. Shaking Shafts	35	45	20
1	New Drive End, including Bearing and Shaft for main conveyor at B.M.	40	50	20
1	Major #2 Pet Belly Stove	15	18	7
	Labor or Handling and Installation	<u>390</u>	<u>1,691</u>	<u>586</u>
	TOTALS	\$4,295	\$7,080	\$2,500

BPL000000267

BUILDING - #106

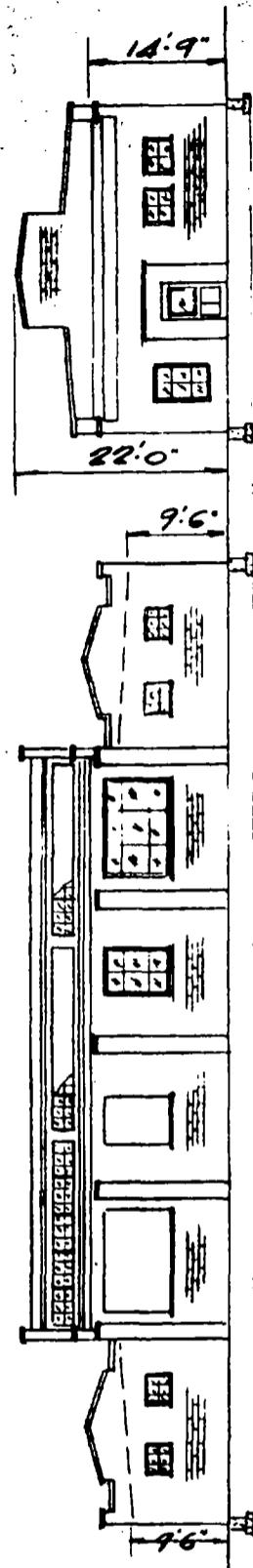
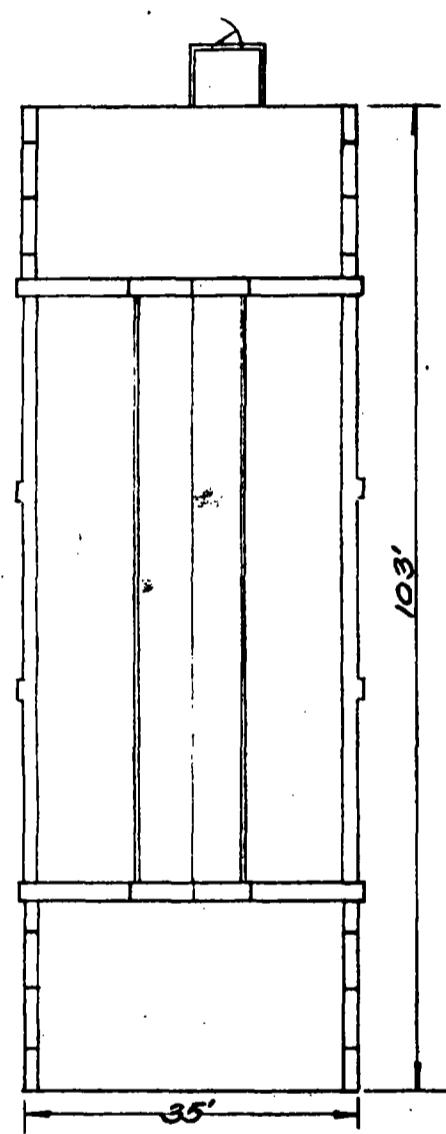
Structure

PLANT: - Refining

FEATURE: - Change House

GENERAL DESCRIPTION

The Change House was built and furnished to provide lockers, toilet and wash room facilities for the men working in the Refinery. It is constructed of brick on concrete foundations with a wood truss ventilated monitor type roof having a wood deck and surfaced with roofing paper. The floors are of concrete. The walls and doors are of wood. The equipment consists of lockers, showers, wash stands and toilets with supporting tanks and heaters. A large electric refrigerator is provided where milk is stored for distribution to employees.



LOCKER ROOM
BUILDING NO 106
WOOD DECK ROOF WITH COMPOSITION ROOFING
BRICK ON CONCRETE FOUNDATION.

INTERNATIONAL STANDARD BUILDING CO.

BPL000000269

BUILDING - #106

Equipment

PLANT: - Refining

FEATURE: - Change House

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Seeger Refrigerator Height 7 ft. Width 32 in.	\$500	\$450	\$200
1	Wooden Table, 48" x 18" top Height 34" Built in shelf height 18"	8	10	4
1	50 Gallon drum of disinfectant	50	40	15
1	Barrel of Oxox	50	30	20
1	1/4 Barrel of Puritem	15	15	8
20	Rolls of Scott Tissue	1	1	1
18	Bottles of McLean's Cleaner	8	6	3
1	Wire Scrap Basket	5	4	1
100 ft.	3/4" Garden Hose used for washing Change House	7	8	5
8	Bones of Pax Soap	2	3	1
2	Rubber Foot Bath Pads	2	4	1
3	Push brooms	5	6	3
1	Aeros Spray Gun	2	3	1
1	Bradley Wash Fountain	140	180	90
4	Soap Containers on pedestal in center of wash bowl. Dia. of bowl 32"	8	6	6
219	Single Lockers 20 new ones - 199 old ones	440	1,500	400
2	10' x 5' Lunch Tables)			
1	8' x 5' 8" Lunch Tables)	40	60	50
1	10' x 4' 6" Lunch Tables)			
6	10 ft. benches used around lunch tables made out of 2" plank, height 17", width 18"	30	40	20
1	Drinking Fountain	2	12	6
2	Trash Cans (garbage)	2	3	1
1	Boylston Steam Regulator	50	75	40
8	Sets of Bradley Showers consisting of: 3 Shower Heads Soap Containers provided for each shower compartment. Partitions made from Sheet Iron 4' x 5' x 1/16", supported by 1" pipe posts	2	6	6

BUILDING - #106

PLANT: - Refining

Equipment

FEATURE: - Change House

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
2	2-1/2 Gallon Fire Extinguishers	\$ 20	\$ 24	\$ 10
2	Mirrors	6	6	2
1	10 ft. Ladder used when cleaning off tops of Lockers	6	6	2
2	Dial Gauges on Steam Line	8	10	4
3	Locker Benches 14' x 1'5")	Lot	60	50
4	Locker Benches 14' x 4'6")			
3	Locker Benches 14' x 5'7")			
2	Locker Benches 14' x 5'6")			
1	Locker Bench 8'			
1	Scrub Bucket with ringar)	Lot	45	10
2	Scrub Mops			
4	14-quart Galvanized Pails)			
6	Pairs Rubber Boots			
2	Kerosene Lanterns			
26	Toilet Tissue Holders			
25	Pairs of Bag House Overalls	45	65	35
1	Wilson Air Line Respirator, style G.B.	75	100	25
1	Johnson Instant Heater	75	100	20
1	Hot Water Heater 2'6" diameter Height 5 ft. controlled by thermostat Spence regulator	75	100	50
51	Direct Lights	500	775	300
	Labor of Handling and Installation	<u>205</u>	<u>557</u>	<u>135</u>
	TOTALS	<u>\$2,265</u>	<u>\$3,350</u>	<u>\$1,480</u>
		=====	=====	=====

BUILDING - #107

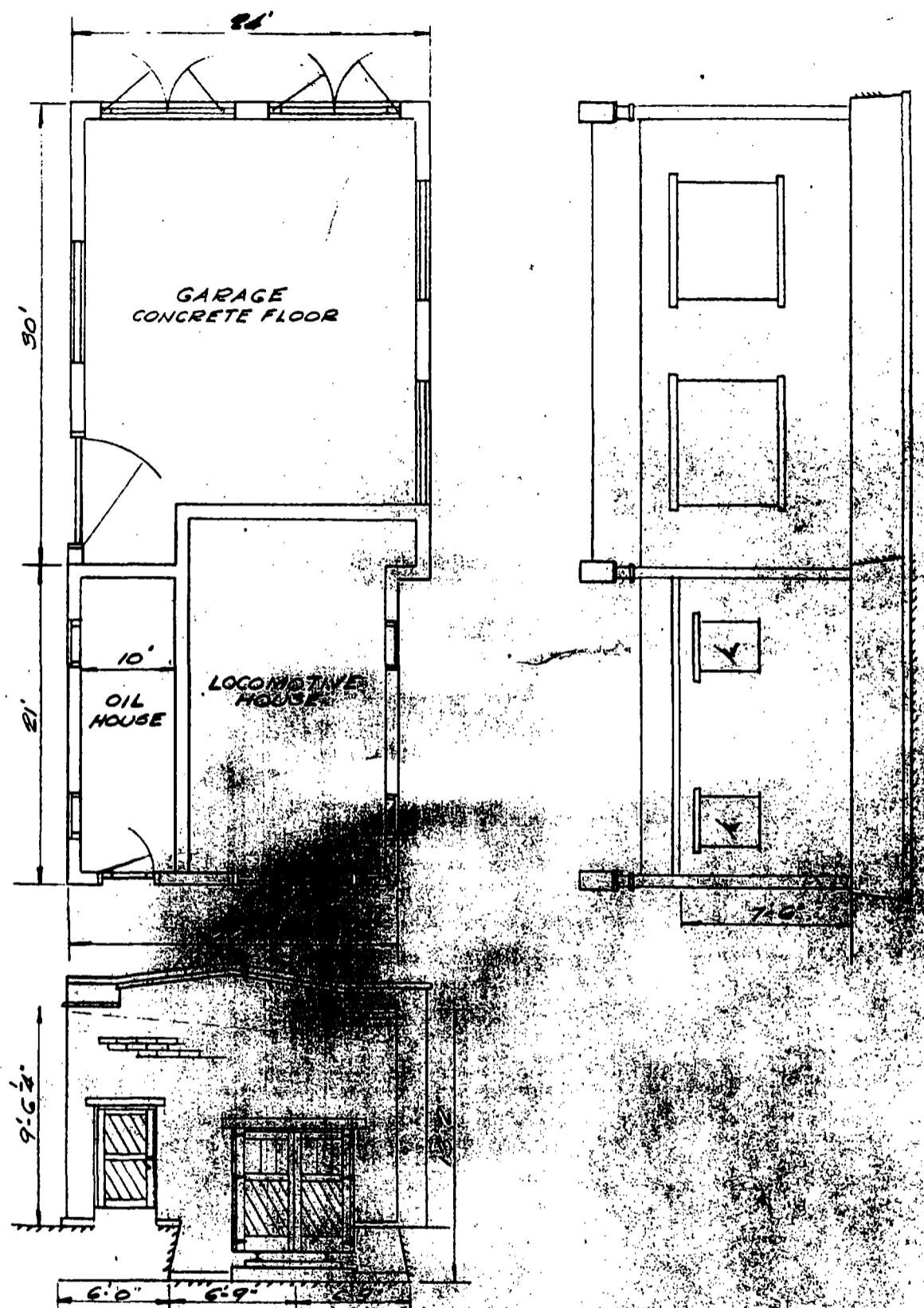
Structure

PLANT: - Refining

FEATURE: - Oil House

GENERAL DESCRIPTION

The Oil House is a building constructed to house oil and miscellaneous kindred materials for servicing the plants. To it has been added in recent years two additions, a two-car repair garage with a greasing pit and a building housing two gas and electric narrow gauge locomotives. The building is of brick on concrete foundations with concrete floors and wood deck roof surfaced with roofing paper. The sash and doors are of wood. The building is heated with steam. The Oil House is equipped with tanks, pumps, drums, etc. for the materials stored there. An outside gasoline tank is provided for furnishing the plant with gasoline. The electric pump is owned by others.



LOCOMOTIVE HOUSE
OIL HOUSE & GARAGE
BUILDING NO 107

INTERSTATE OIL COMPANY & REFINING CO.

BPL000000273

BUILDING - # 107

PLANT: - Refining

Equipment

FEATURE: - Oil House & Garage.

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
(Oil House)				
1	Bennett gasoline pump. Electric. Property of Standard Oil Company			
11	Square Oil Drum and pump	880	250	110
1	Gilbert - Baker gasoline pump. Square	100	-	10
4	Gilbert - Baker oil drum pump.	80	100	40
2	One gallon copper oil measures	10	-	-
1	570 gallon gasoline tank under ground	25	100	25
1	225 gallon kerosene tank under ground	25	50	25
2	Hand pumps for drums	40	50	20
2	5 gallon gasoline cans	2	5	1
(Garage)				
1	Fordson Block	50	75	40
1	600 ft grease gun	15	20	5
2	Spare radiators for Ready Power unit	80	100	50
1	Yale Towne Unit Rear Drive (Breaker)	900	1,000	700
2	Five ten mechanical pump jacks	50	70	30
2	19" x 4-1/2" 17 plate batteries	24	30	10
1	10-1/2"x 7" 17 plate battery	12	15	5
2	9" x 7" 15 plate batteries	50	65	25
1	B & H 110 volts 5 ampere battery charger	10	15	5
2	Two gallon water cans	3	4	1
1	Four cylinder Continental Motor ready power unit	950	950	500
1	Tail axle for exide fork truck # 1	50	50	10
1	Rear end drive for Butler truck	35	50	20
5	Two gallon oil cans	5	4	2
1	Work Bench Width 3' length 5' Height 5' 2" One tool drawer 22" x 32"	15	20	10
50	Feet of small high pressure air hose 1/4" used for pumping up tires	6	8	2

BUILDING - # 107

Equipment

PLANT: - Refining

FEATURE: - Oil House & Garage

QUANTITY	DESCRIPTION	REPLACEMENT		
		ORIGINAL COST	VALUE (NEW)	VALUE AS IS
1	Alemite air grease gun on castors	\$0	\$0	\$0
1 (Lot)	Miscellaneous cans, hose etc.	\$0	100	10
	Labor of Handling and Installation	<u>145</u>	<u>150</u>	<u>85</u>
	TOTALS	\$0,990	\$0,580	\$1,764

BUILDING - #108

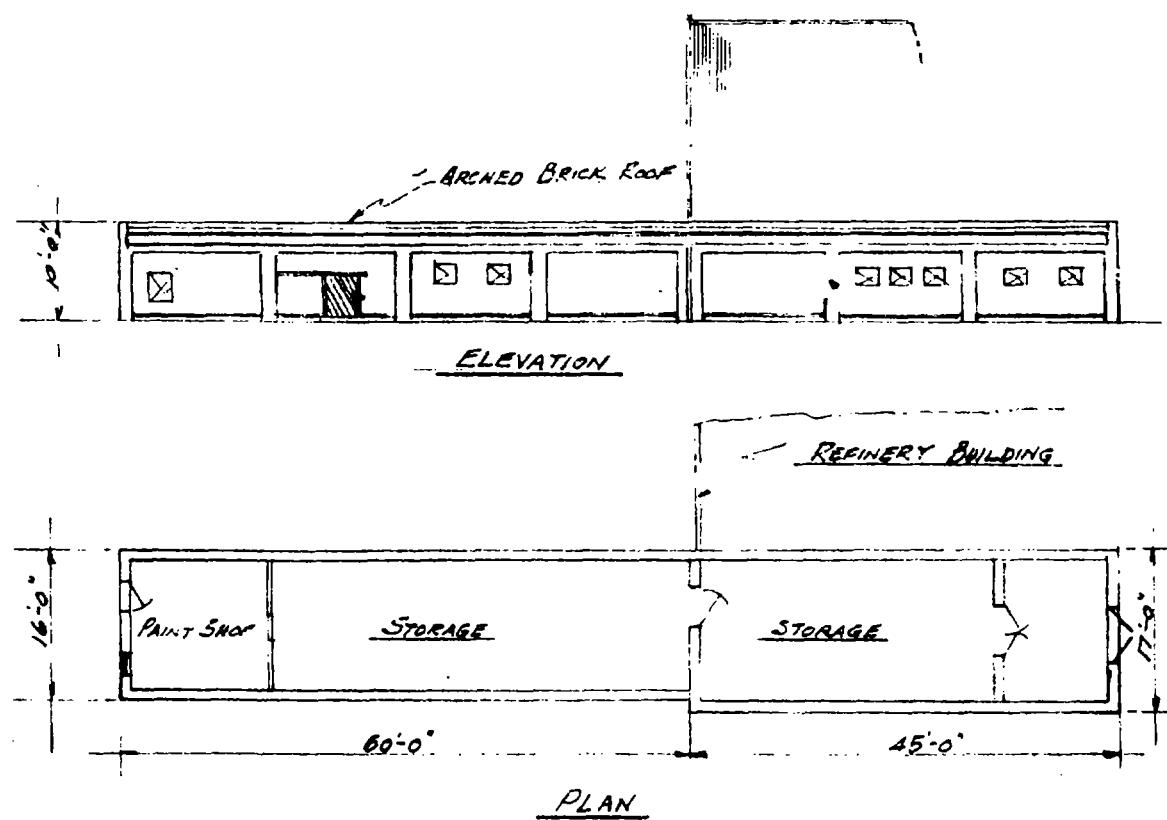
Structure

PLANT: - Refining

FEATURE: - Old Storeroom

GENERAL DESCRIPTION

The old Storeroom was constructed for the purpose indicated, but of late years has been for a paint shop, storage of spare parts and as a warehouse for the storage of Anacardin weed killer. The building is of brick on concrete foundations with a concrete floor laid on fill. The roof is of arched brick surfaced with a built-up roof of asphalt.



STORAGE BUILDING NO 108
BRICK ON CONCRETE FOUNDATIONS

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BPL000000277

BUILDING - # 108

Equipment

PLANT - Refining

FEATURE - Old Store Room

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Warehouse fire-proof door	\$0	\$0	\$0
5	Glass acid container	10	15	5
1	Lead grinding machine	75	125	10
1	Old heating stove 14" x 40" high	10	15	1
4	Refinery crane wheels 20" diameter	60	75	5
14	Complete copper shade lamps	100	140	20
8	Porcelain lamps with glass globes	60	90	10
2	Steam heaters 24" x 34" (scrap)	-	-	10
16	Curtis X-Ray glass reflectors (New)	\$0	\$2	10
550	Feet 3/4" steel cable			
100	Feet 1/2" steel cable	500	700	100
100	Feet 1-1/8" Copper cable			
450	Feet 1-1/2" Lead covered cable			
100	Feet 1-1/2" Lead tubing	10	15	7
12	Bonus Johns & Manville Black insulation	100	120	50
25	Small pulleys various sizes from 6" - 15" diameter	150	200	10
5	Large split pulleys 10" - 25" diameter	120	150	1
18	Fibre pulleys various small diameters	60	75	1
16	Steel elevator buckets 8" x 14"	25	32	1
20	Gate valves sizes 2-1/2" - 3"	300	400	20
1500	Lbs. assorted Link-Belt pillow block bearings	175	200	75
1000	Lbs. assorted sprockets	200	200	40
250	Lbs. roller chain	100	150	30
5	Ten various large pipe fittings (Junk)	-	-	300
6	Ten scrap iron, crane wheels, pump castings, buggy wheels etc. (Junk)	-	-	600
500	Lbs. Baghouse repair castings	60	100	40
1	Ten rubber covered scrap copper wire (Junk)	-	-	160

BUILDING - # 108

Equipment

PLANT - Refining

ITEMS - Old Store Room

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Ton scrap copper cable and electrical connections (junk)	-	-	100
1	Curtis air cylinder 6" diameter, 48" long (New)	60	60	20
1	Curtis air cylinder 12" diameter, 60" long	60	70	50
1	Wood work bench 5' x 20"	15	15	5
1	Parker bench vise, No. 420 6" jaw	15	15	5
1	Wood chair and desk 32" x 60"	30	75	10
1	Motor (scraps) 3 - 55	-	-	5
1	Labour lead pump	100	175	10
1	Rotary vibratory pan (junk)	-	-	5
20	New link-belt conveyor rollers	60	100	20
8	New tires size 2-1/2 x 17 (junk)	-	-	1
1	Large tarpaulin	15	20	5
1	Reeves machine with Palmer-Bea worm gear size 3.1 Ratio 60 - 1 serial 77778	500	350	15
1	Westinghouse transformer, type 781 440/220 volt 50/140 cycle serial 1A83904	150	200	40
4	Overhead light fixtures	15	50	4
1	Gelt safety switch 30 amperes, 2 pole, 125/250 volt	10	15	5
10	50 gallon drums gray paint	600	700	600
1	50 gallon drum sodium silicate	5	5	2
20	Gallon tropical reef paint	15	20	10
5	Gallon battle-ship gray machinery enamel	15	20	10
5	Gallon Sherwin-Williams lustre enamel medium yellow	15	20	10
1	Gallon Black Anagardia standard	2	2	2
1	Paint spray tank and hose	12	15	5
1	14 Foot extension ladder	10	15	4
1	Gallon MP # 75 Red Iron Pipe	5	4	5
6	Assorted paint brushes (used)	10	15	4
5	5 Foot step ladders	2	3	1

BUILDING - # 108

Equipment

PLANT: - Refining

FEATURE: - Old Store Room

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT	
			VALUE (MM)	VALUE AS IS
3	4Foot step ladders	\$	\$	\$
15	Gallon white paint	50	45	50
1	Painter's scaffold 7' long	4	6	8
1	Small hand truck	4	6	8
115	Gallons Elastic veneer thinner	90	100	90
100	Gallon white	800	300	800
	Labor of Handling and Installation	198	278	141
	TOTALS	\$4,085	\$5,715	\$8,985

BUILDING - # 109

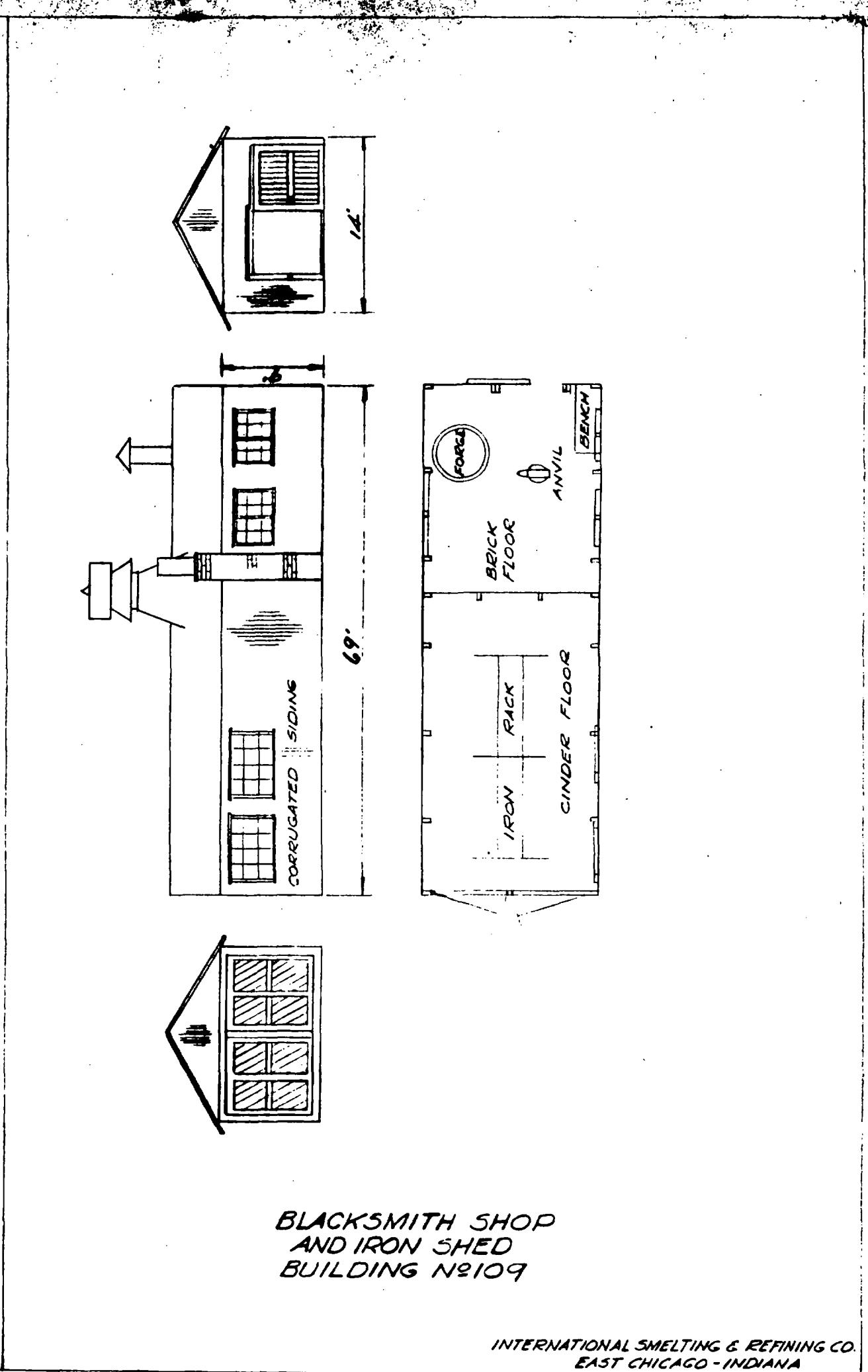
Structure

PLANT: - Refining

FEATURE: - Blacksmith Shop

GENERAL DESCRIPTION

The Blacksmith Shop is divided into two parts one of which houses the storage racks for pipe and bars and the other the Blacksmith Shop. The building is wood frame covered with corrugated iron. Sash and doors are of wood. The equipment consists of a forge, an anvil, an electric grinding wheel, a bending machine, a press and other miscellaneous tools used in the trade.



BLACKSMITH SHOP
AND IRON SHED
BUILDING NO 109

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BPL000000282

BUILDING - # 109

PLANT: - Refining

Equipment

FEATURE: - Blacksmith Shop

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Hosefield Bender - complete with dies	175	200	125
1	Blacksmith anvil	35	60	15
1	Blacksmith forge	20	25	10
1	6" vice	40	70	20
1	Air press	50	75	20
1	Cast iron four section heating stove	15	25	5
7	New forged ladles - various length handles	5	5	1
5	Redressed picks good condition	7	12	5
5	Sledge hammers	5	10	5
1	Large swage block 15" x 15" x 4"	10	12	8
1	Box of new 10" conveyor flights	22	22	5
2	New made up 11" skimmers	6	6	2
1	Masonry wheel , shop motor # 15A	40	70	25
51	Pairs of tongs, all sizes	40	62	20
12	Anvil swage blocks - various sizes	20	30	10
32	Blacksmith tools, Hardies, Punches, cold cuts, swaging tool, and other miscellaneous tools	60	80	20
14	18' lengths of 1-1/4" round steel	13	13	6
2	18' lengths of 1-1/2" round steel	3	3	1
1	Barrel of 1/2" chain - various lengths (Scrap)	-	-	-
72	Feet of new 7/16" chain	25	35	15
40	Lbs. of K.Z. Welding compound	48	48	24
2	14 quart galvanized pails	1	1	-
1	Length of 1" round iron			
9	Pieces of flat iron - various sizes			
50	Furnace bars - all lengths & sizes			
5	New lengths 15' long or 2" tool steel			
18	Redressed furnace bars 18' long			
14	Pieces of 1-5/8" round iron - various lengths			
5	12' lengths of 1" square iron bar			
9	Counter sunk bars - various sizes	350	400	200

BUILDING - # 109

Equipment

PLANT: - Refining

FEATURE: - Blacksmith Shop

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Coal bunker for blacksmith coal	18	20	5
1	Water tank for cooling tools	10	15	8
1	Railroad car mover	7	9	3
2	New iron wheel-barrows	5	4	1
4	Shovels	4	6	1
1	Trip hammer (junk)	200	400	10
	Labor or Handling and Installation	<u>61</u>	<u>178</u>	<u>58</u>
	TOTALS	\$1,890	\$1,890	\$ 610

BPL000000284

BUILDING - # 110

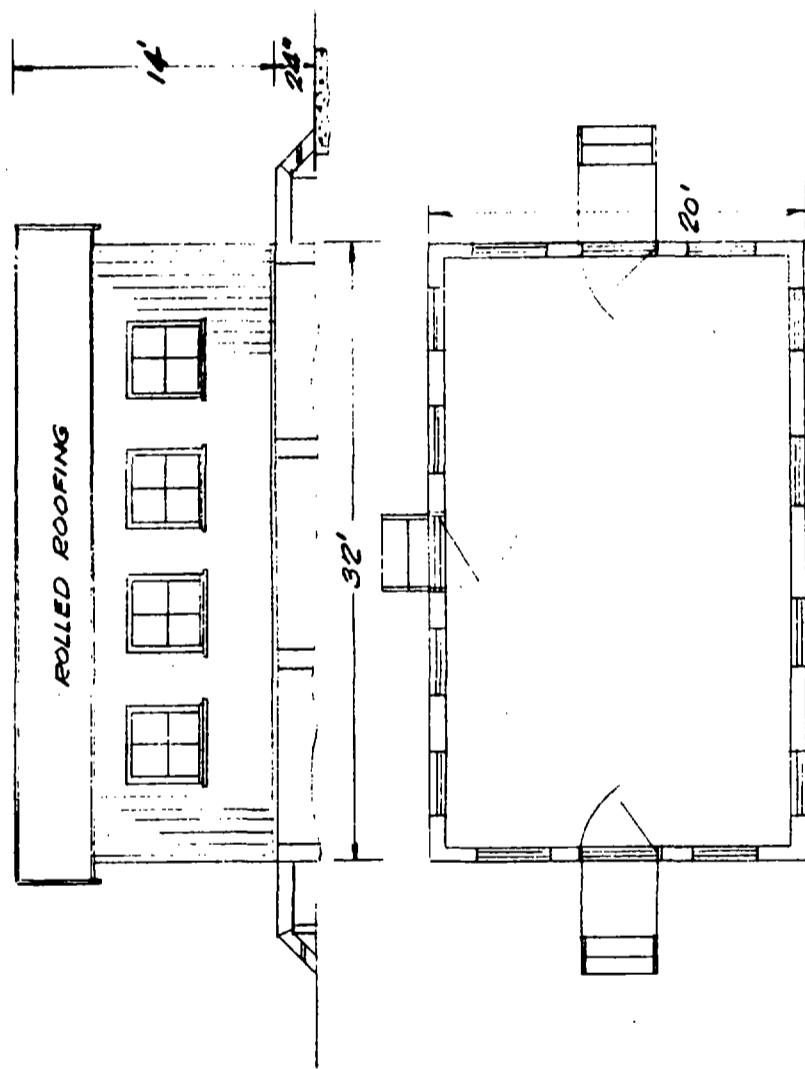
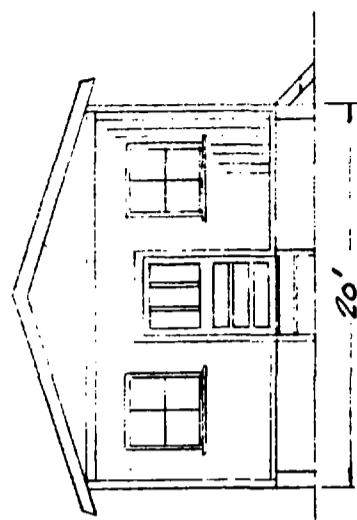
Structure

PLANT - Refining

FEATURE - Storage Building

GENERAL DESCRIPTION

This building was constructed of ready built wood panels with wood sash and doors, erected on a cement block foundation. The roof is of wood panels finished with roofing paper. The building is used as a storage place for riggers and for white lead samples.



STORAGE BUILDING
BUILDING N^o 110
ALL WOOD FRAME & SIDING
ROLLED ROOFING NAILED IN PLACE

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BPL000000286

BUILDING - # 110

PLANT: - Refining

Equipment

FEATURE: - Storage

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
	Miscellaneous equipment laying in labor shanty, estimated value approximately \$300	500	450	150

BUILDING - # 111

Structure

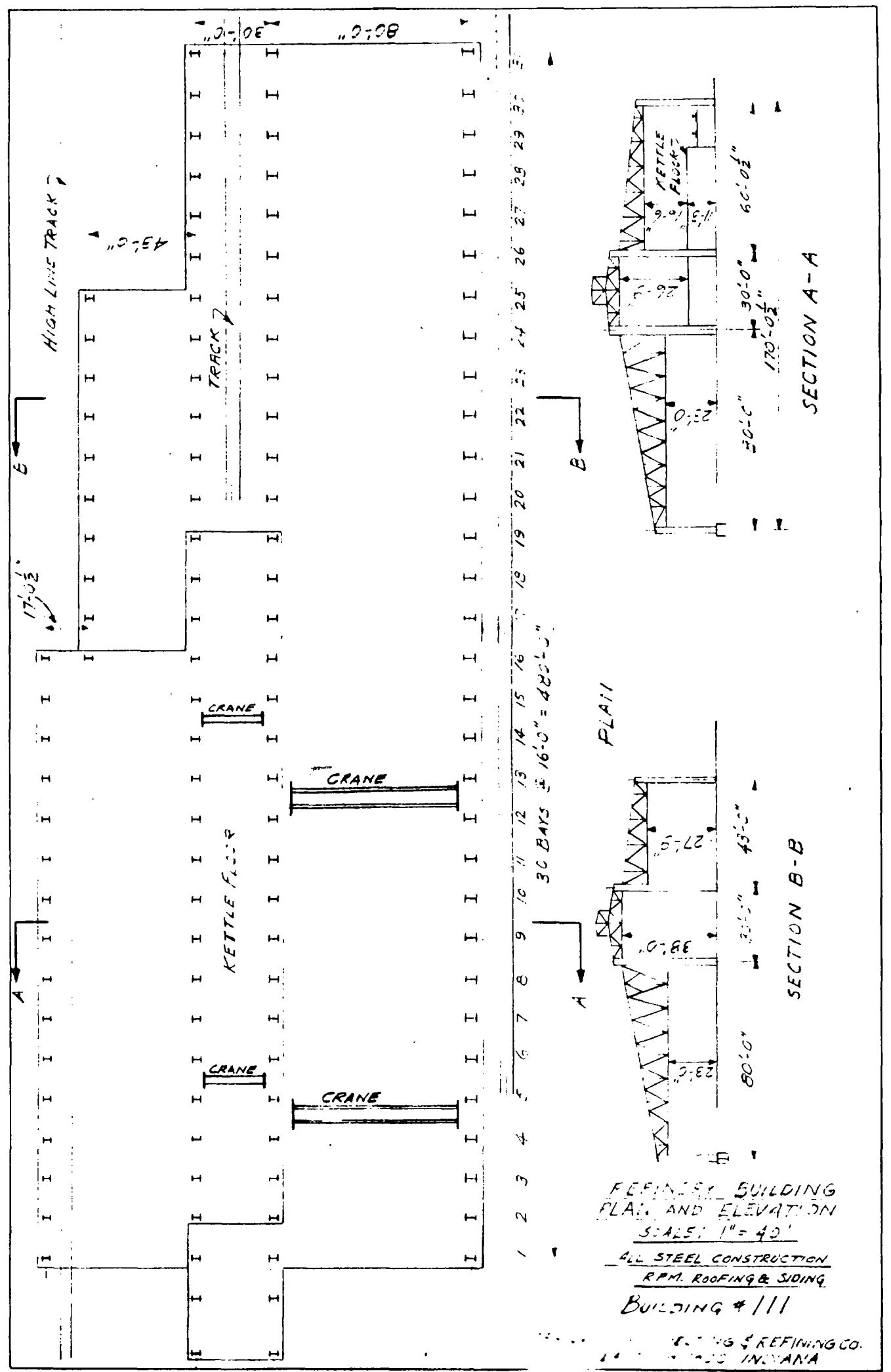
PLANT: - Refining

FEATURE: - Building

GENERAL DESCRIPTION

The Refinery Building was constructed to house the principal operation at East Chicago, that is the refining of lead bullion. It is served by three railroad sidings each of which enter the building at different levels, both building levels being served by a track, that allows direct loading of cars from the floor level. The middle track is at grade level. The building is built on concrete foundations of ample proportions to support the heavy loads encountered in this industry. The building is constructed of fabricated steel and concrete and covered with corrugated steel known as Robertson Protected Metal. The mezzanine floor is of concrete and designed to support a load of 500 pounds per square foot. The low-line portion of the building is spanned by two overhead cranes having two hooks on the trolley of each crane one having a capacity of 5 tons, the other 15 tons. The crane span is approximately 78 feet. Two similar cranes but with a 20 foot span serve the length of the building beneath the 50 foot truss. A building ventilator extends the length of the building over the 50 foot truss and miscellaneous ventilators spaced where needed serve equipment in building below. The such and doors are of wood except two which are covered with canvas curtains and two which are not closed. A Lean-to on the south end houses that portion of the blast furnace operation not served by the high line crane. Floors on the mezzanine, blast furnaces, silver-room and along the low-line track are cast iron plates over suitable subbase layed in sand or in some places concrete. The remaining floors are of concrete. The building is well lighted both by day light and artificial lighting. Excepting for two small areas used as office space the building is not heated. Ample power wiring is provided through the area of the building the switchboard being located in building # 114.

The equipment consists of blast furnaces, reverberatory and rotary smelting furnaces, hoppers of various sizes, molding machines for both pig lead and anodes, anode handling equipment, silver-room retorts and cupels, together with bine scales and miscellaneous movable equipment necessary to serve the operation. Dust collecting equipment is provided where necessary and fume from blast and residue furnaces is collected through a 7'0" diameter flue leading to a bag house.



BPL000000289

BUILDING - # 111

Equipment

PLANT: - Refining

FEATURES: - Blast Furnace

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Cincinnati Blower displacement per revolution 15 cub. ft., oil ring bearings, 16" exhaust, 6" weighted check valve. Height 5 ft. Length 8 ft. driving pulley 5 ft. 8 inches. (1) 16 inch control valve	4,500	5,000	1,800
1	G. E. motor shop # 187 HPMO 900 RPM	550	650	500
1	Safety guard made from sheet iron 4' x 6'.	50	75	10
2	Metal tables used for mold supports. Length 4 feet, diameter 2 feet, height 22 inches. Grating used for top.	40	60	10
20	Miscellaneous molds	117	195	75
1	J. A. Faye and Kagan. Power saw used for sawing lead samples. Top of table 27" x 30" 5 HP .5600 RPM	450	600	50
1	Blacksmith forge used for heating tools	25	50	15
1	Blacksmith anvil used for dressing tools for furnace.	20	35	5
2	Settler pots used on Blast Furnace. Height of wheels 36" Width of tire 5" Depth of pot inside 30" Diameter of pot at top 41" 6" per foot taper inside to the bottom	500	400	120
1	Four wheeled truck used for conveying lead Molds from blast furnace. Height 15" width 28" Length 50"	75	100	25
1	Toledo Honest Weight Dial Scales used for weighing charge for Blast Furnace Capacity 11,250 lbs. Length of beam 27" Platform 8' x 6'	1,400	1,600	1,000
1	Horn Scale used for weighing charge at Blast Furnace. Weighing platform 48 x 48 (inches)	800	1,600	25
1	Snatch Block used for cable conveying lead filled pots from Blast Furnace. Size of sheave 9" x 2". Diameter of housing 1" Length of housing 30".	15	25	5
2	Slag pots on wheels used on Blast Furnace. Height of wheels 32" Diameter of wheel centers 36" Diameter of Pot 25" Depth of Pot 18"	450	750	150

BUILDING - # 111
Equipment

PLANT: - Refining
FEATURE: - Blast Furnace

QUANTITY	DESCRIPTION	REPLACEMENT		
		ORIGINAL COST	VALUE (NEW)	VALUE AS IS
1	Deaver Jaw Crusher used for crushing slag samples. Length 56" Height 22" Babbit bearing.	150	200	50
1	Motor shop No. 800 5 HP Reliance 1780 RPM	40	60	30
2	Standard lead Blast Furnaces. Bottom water jacketed.	15,000	15,000	4,000
2	Dust collecting settler tanks. Diameter 7" Brick lined 9 feet high. Brick flue 4' x 5' over settlers to main flue.	800	1,000	400
1	Dust collecting and ventilating fan exhaust 18" diameter, intake 18" diameter. 24 feet of 20" pipe used from furnace tap holes Height 48" Width 48" with meter 1/2"	200	400	100
1	Motor Shop # 9.420)HP motor 270 RPM for fan	521	600	500
3	Slag dump truck pots. Length 14' overall Gear dumped Pot size 75" x 55" Depth 33" Wheel gauge 34-1/2" Wheel size 20" Brake wheel shaft 33" Hand wheel 18" Pot supported on rockers.	1,800	3,000	1,000
1	Ventilating hood for slag pots. Length 18" Width 5' Diameter of ventilating pipe through roof 55" Height of pipe 48" 36" revolving ventilator on top. Operated by the direction of the wind, supported on a pivot point. Two 6" pipe from hood to tapping holes at furnace.	420	800	25
4	Hexagon bars used for tapping furnace. Length 1(feet). Diameter 1"	500	400	50
1	Hexagon bar 6' long. Diameter 1"	500	400	50
1	Hoop round bar 18' long.			
1	Rubber tired wheel barrow - steel body.			
6	Charging pans. Width 48" Length 60" Depth 12"	500	800	800
1	Air pile driver used on bars breaking down slag in charging column. Length 80"	500	400	75
4	Hexagon bars used in charging column. Length 80'			
1	Whiting Foundry over-head crane. Capacity 15 tons used for charging Blast Furnace. Two hoisting drums large and small. Length of span 30'. Travels on rails supported on each end by four flanged wheels.	25,000	40,000	9,000

BUILDINGS - # 111

Equipment

PLANT: - Refining

FEATURE: - Blast Furnace

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Motor Shop # 20 Large hoist motor 50HP 1140 RPM			
1	Motor Shop # 21 Small hoist motor 15 HP 810 RPM			
1	Motor Shop # 18 Dodge motor 22 HP 1140 RPM			
1	Motor Shop # 5 500 RPM trolley motor 5HP			
1	Butler shovel truck used for filling charging pans at Blast furnace. Length 8' overall Width 4' overall Height 8' overall Hydraulic side arm lift. Hydraulic cylinder 50" side arms 55" Rise of shovel 48" x 27" x 28" Power gasoline. Front wheel drive. Steered from back wheels. Hard rubber tires.	1,700	2,000	750
1	Whitecomb gas locomotive	2,500	2,500	500
		5,200	4,500	500

BPL000000292

BUILDING - Mill

Equipment

PLANT - Refining

FEATURE - Refining Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (1950)	VALUE AS IS
1	Crusher made by Power & Mining Machinery Company, Milwaukee, Wisconsin. Crusher has adjustable jaws 18" bottom, 18" top. 3-65 motor. Belt driven by 40 H.P. General Electric motor, 360 RPM, 3 phase, 60 cycles with Circuit 3 phase, 60 cycles, 40 H.P. Starter Push Button and I.T.C. Circuit Breakers (In Switchman's Room)	\$2,400	\$3,000	\$500
1	Hammer Mill Pulverizer \$14,000, opening 18" x 37" with copper sheets spreading hammers driven by motor - Crusher Engine 0.7.5 H.P., 1750 RPM, 440 volts with Push Button Starters	615	940	450
1	National Grinder made by National Pecking Co., Oberlin, Ohio (slipper jaw) 18" cutter wheel and table, belt drive, 3 H.P. motor, 1150 RPM, 440 volts with Push Button Starter	150	220	100
1	Improved Stone Breaker made by Farrel Foundry Machinery Company, size 10-6 #90 - Belt driven by 3 H.P. motor, 900 RPM, 440 volts	200	275	80
1	(Residue) Residue Furnace is fired by (8) 4" Husk Oil Nozzles Furnace is fed by three charging hoppers from the top and from the side of furnace by screw conveyor or screw conveyor feed. Lower stage 8" screw conveyor driven by 3 H.P. motor, 1150 RPM, 440 volts Upper screw conveyor is 10 foot long with 1/2" thick jacket at entrance to Furnace. Upper screw conveyor (upper stage) is 8' foot long driven by 2 H.P. Gear motor, 78 RPM (Low speed). Screw conveyor capacity 15,000 lbs. per hour.	450	500	150
1	Reloit Dial Scale capacity 15,000 lbs. with 10-15 graduation, 5' x 8' platform. Serial # 5041551199, Style 51-1701-J.L.	1,100	1,500	500
1	Water cooled damper automatically controlled by Garrick Engineering Co. control drive by 1/2 H.P. motor, 1150 RPM, Nihon Manolin Datalog used to record furnace temperature	700	1,000	100
	The Residue Furnace is 55 feet long and 10' 6" wide. For details see diagram G-364			
	One lot - miscellaneous tools, rocks, bars and hammer.			
	The tools with furnace are 8 Dally Bars, 6 single step rocks, 2 step shield rocks, each 18' foot long. Capacity of furnace, average 115 tons.	1,500	8,000	100
	Peak 175 tons - 90 tons load and 80 tons slag, 1 pouring ladle for slag pot, 8 Tapping bars, 6 shovels, 3 sledges, hammer			
1	Taylor & Townsend Shovel truck	5,000	8,000	1,000

BUILDING - # 111

PLANT - Refining

Equipment

FEATURE - Refinery Building

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Fairbanks Morse Beam Scale (In Refinery Office) Capacity 12,000 lbs. size of platform 4'6" x 6'0"	900	1,500	200
3	Flat top office desks	75	135	45
1	Two Section Steel Cabinets or Clothes Locker	34	56	5
1	Four drawer steel cabinet 34" x 34" x 56"	40	60	15
2	Roller top desks (In Shipping Office)	150	200	50
1	Single Section Steel Cabinet or Clothes Locker	12	18	3
3	Office chairs	45	60	15
2	Office chairs swivel	50	60	10
1	First Aid Kit 18" x 18" wall type			
1	"Dalee" 10" Desk Fan (Oscillating) (Shipping Office)	15	30	10
2	Flat top office desks	50	90	30
1	Six section filing cabinet (Wood)	30	40	10
1	Wash Bowl	10	15	2
1	Fairbanks Beam Scale 12,000 lbs. Size of Platform 4'6" x 6'0"	1,100	1,500	600
1	Fairbanks Beam Scale 12,000 lbs. Size of Platform 5'0" x 6'0"	900	1,500	200
1	Two section steel clothes locker	34	56	5
1	12" Westinghouse Electric Fan (Oscillating)	15	34	12
1	Addressograph Machine	75	100	20
1	Burroughs Adding Machine and Stamp	125	150	70
2	"Tennant" Griplock wire tying machines for tying lead piles together for shipping in cars.	50	60	25
1	"Gerrard" Wire tying machine. Same purpose as the "Tennant" machine.	50	60	40
1	Complete set of steel figure dies "large" size 5/8" for Newman stamping machine on molding circle	150	170	25
1	Box 72 pieces. Letter and Number stamps "small" 5/8" for stamping machine - Molding circle (Molding Equipment)	150	170	25
1	Newman Molding Wheel 20foot diameter driven by Motor #145 wheel holds 56 - 5 cavity molds for pig bars			
1	Automatic stamping machine driven by Motor # 144	25,750	55,000	10,000

BUILDING - #111

PLANT: - Refining

Equipment

FEATURE: - Refinery Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Newman Pig Puller with two hoisting cylinders mounted on jib crane includes kettle (Priced on preceding page with Stamping machine)			
1	Five spout molding kettle Handwheel operated through worm drive	200	300	100
1	Variable speed control for feed pump. To govern flow of lead. Made by Westinghouse #5 speed regulating Rheostat style 36M - 456 Class 12016	200	300	100
1	200 lb. pressure gauge "air" 5" dial	30	40	20
2	Water sprays for cooling lead bars	125	150	70
1	Specially constructed gas burner for treatment of lead bars	50	75	30
1	Suction Fan type M.E. New York Blower Co. Size of Fan 24" - cubic feet per minute 3780. Bi-speed coupled to motor # 325 Howell Speed of fan 485 RPM with Clark starter # 6013 (Note) Fan speed on name plate is 485 RPM Coupled to motor-speed 514 RPM - 1-1/2 HP This fan removes steam from molding wheel through 42 ft. 18" OD gauge sheet metal pipe connected to steam hood 36" wide 54" high covering about 1/3 of molding wheel molds Hood over molding wheel	240	300	150
	Hood over molding wheel	1,000	1,200	500
1	Reelite - swivel type C S Cat # C S - 24 Serial # 5433 - Capacity 35 Amperes 2 pole	100	120	75
	Holds 50 feet 2 conductor # 10 wire cable			
1	Motor Generator set motor # 208 Generator # 209 This unit supplies current to run Newman Lead Trucks	620	720	500
	Switchboard to control this unit is in Refinery office and consists of:			
1	Single panel switchboard 20" wide 58" high (1) 100 amp. ammeter (1) 250 volt voltmeter (1) Rheostat 360 volt "Shaffer" - 660 Ohms. (1) 2 pole breaker - O.E. 100 ampere type C.G. (1) 2 pole knife switch	125	165	100
	(Molding Kettles)			
1	225 ton molding kettle all steel fire by a #4 Iron fireman coal stoker. Controlled by fire flame couple - British Pyrometer controller model 478 - L 1 serial #7824 - 2400 degrees Fah. Lead temperature recorded on Wilson Maelin Tap-a-log 2000° - #10214	11,000	15,000	8,000

BUILDING - # 111

Equipment

PLANT: - Refining

FEATURE: - Refinery Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Spare - 225 ton molding kettle all steel located outside of shipping office	8,165	3,665	8,000
1	Chlorinating kettle 225 ton all steel Fired by # 8 Iron Fireman Coal Stoker Controlled by Flame couple and Brown Potentiometer 2000° Fah.	12,500	15,000	8,000
1	Chlorine evaporator at Chlorine kettle	1,050	1,500	400
1	Chlorine machine for lead treatment	500	900	500
1	Chlorine exhaust fan Raymond Brothers # CS - L Special - 16" Inlet 16" - outlet Diameter of fan 30" V Belt Drive from Motor # 40 - A 10 HP 1800 RPM	500	350	100
1	Molding kettle pit exhaust fan Size 40 - # 62783 Inlet 14" outlet 14" V Belt driven by Motor # 2-A 7-1/2 HP G.E. 440 v. 1800 RPM	285	300	75
1	Chlorine circulating pump La-Bour # 102899 50 G.P.M. Type G.G.U. Size 1-1/4" A - 1-1/2" Direct coupled to motor # 34 Horse Power 7-1/2 - 720 RPM 440 volts	150	200	100
1	Sump pump at molding circle with 1-1/2" outlet - Centrifugal. No name plate data. Pump driven by 1/3 HP G.M. Motor 1800 RPM with float controlled switch.	100	150	50
1	Man cooling fan 36" Impeller - 8 blades at molding circle. Motor fractional HP . 4;E. 600-1100 RPM	125	150	70
1	Air receiver - 10" diameter 6 feet high at molding circle	55	50	25
(Caulking Lead Kettle)				
1	5 ton cast iron kettle portable - complete with two gas burners, lead coils and molding pipe	500	700	550
20	(5#) 5 cavity caulking lead moulds with hinged supports	1,000	1,100	800
1	6" Beam jib crane. Beam 6 ft. long with:	75	75	25
1	1/2 ton Chester Crane Hoist	42	52	25
1	5 spout molding pot	100	100	25
1	1-1/2" Gas burner	40	40	15
44	Wooden skids	195	225	5

BUILDING - # 111

PLANT - Refining

Equipment

FEATURE - Refinery Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Single anode press - 100 lb. air pressure cylinder 10" diameter 12" stroke	800	500	100
1	Single anode hoist air operated 5" diameter cylinder 30" stroke	100	200	25
1	Anode molding kettle 50 ton cast iron fired by # 5 Iron Fireman Coal Stoker. Stoker driven by 1 HP 1750 RPM. Firing is controlled by Bristol Thermometer controller model 577 B serial 17536 - Range - 200° - 1000° Fah. with Westinghouse Line Shifter. People control and square D - fused cutout switch .	2,000	3,000	1,000
1	Anode molding circle table - semi circular holding 17 anode molds	3,250	5,200	3,400
1	Zinc chloride circulating Pump - direct connected Aurora Pump # 14036 Type G.C.U. Zinc 1-1/4" - A 50 G.P.M. Head 40' Reliance Motor 3 HP 1750 RPM.	3,300	4,000	2,000
1	Zinc chloride storage tank 10 feet diameter 18 feet high .			
1	Zinc chloride tank. Lead lined 48" wide 8'0" high tapering to 8'0" - 14'0" long with Iron safety platform on one side.			
1	Zinc chloride treatment tank 8 feet x 8 feet 5 feet high with safety platform on one side			
1	Auto vent fan and blower . Blower used as a man cooler. Portable on plate with four castors. Direct coupled to 5 HP motor 1800 RPM 440 volts Fan outlet 19" x 24" - Fan inlet 28" diameter	175	225	80
2	Three ton moulds 24" x 24" x 18"	100	140	80
2	Four ton moulds 24" x 24" x 18"	200	300	100
1	Anode cast iron 55 ton kettle	700	900	400
1	Cast iron 5 ton lead kettle	150	250	75
1	Steel top section for chlorinating machine	700	800	200
2	Steel tanks 24" x 24" x 36" deep. Tank is made of 3/8" steel plate	50	75	25
1	Steel tank 47" x 24" x 36" Tank is made of 3/8" steel plate and these tanks are used in connection with chlorinating machine.	80	100	40
2	Waiting Foundry Co. overhead cranes Capacity 15 tons on large hook 5 tons on small hook span 77'	50,000	60,000	12,000

BUILDING - # 111
Equipment

PLANT - Refining
STRUCTURE - Refinery Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Toledo Dial Scale 200 lb capacity with 2 oz. graduations	200	500	200
1	0° - 2000° Fahr. Wilson Maculin Temperature indicator	175	225	75
1	(Anode molding circle) 5 ton cast iron mold (used for overflow of lead)	100	125	50
1	Anode molding crane traveling around outside of molding circle with sky hoist to lift anodes from molds hoist size 4" diameter 56" stroke	250	350	25
17	Steel anode racks at anode circle for holding anodes	510	700	500
1	Steel semi circular track to rotate and support molding pipe included in molding circle above			
1	Small cast iron mold about 5 ton capacity 34" x 24" x 12"	60	75	25
1	"Heppenstall" Automatic safety tong for lifting Totele Blocks	750	750	750
1	Safety skid lifter (made by Hibben Co.)	275	275	200
1	Pig lead lifter or carrier capacity 100 stacked bars fabricated from plates and angle iron	150	150	75
1	Scale test weight with cover. Weight 6105 lbs.	400	700	650
1	Cast Helena lead rusk. Two 6" I beams about 9'0" long to support lead blocks on scale while weighing	50	75	25
1	Large box containing 45 - 50 lb. test weights for testing refinery scales.	250	300	200
1	Spare pig puller for Memmen molding wheel	225	300	175
1	Kettle lifter. Used for setting kettles	75	100	50
2	Anode Carrier 56" anode capacity	400	450	250
1	Anode Spacer #25 - 5 HP - 900 - 440 volts machine driven by motor #25	700	900	500
1	Anode gang press 142A 15HP - 1500 - 440 volts	5,750	5,000	1,500

BUILDING - #111

PLANT - Refining

Equipment

FEATURES - Refinery Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
6	Kettle Lime Molds, 12 ft. dia., 12" deep (on rock at north end Ref.)	\$ 2,000	\$ 3,000	\$ 800
1	"Hove" Beam Scale, 10,000 lbs., 4' x 6' Platform	700	1,200	300
1	Fairbanks Beam Scale, 10,000 lbs., 54" x 60" Platform (Above scales located at Silver Room under Highline Crane)	700	1,200	200
2	Steel, Fabricated Boxes 5'0" high (for holding miners)	150	200	50
6	Northwest corner of Softener Floor (used by Testing Dept.)			
6	5 Cavity Pig Lead Molds (as used on molding circle)	200	500	Scrap
6	Antimonial Lead Molds (Single Bar)	70	90	Scrap
5	Heavy 4-Wheel Trucks (Constructed from track rail and Flat Iron) Dia. of wheels 12" - 5" face	125	165	90
8	5-Ton Cast Iron Molds, 24" x 24" x 12"	250	350	185
1	Heavy Casting Bench (wood) with steel plate on top, size 36" x 7', Height 34"	75	100	25
1	5-Ton Cast Iron Kettle in setting complete with 2 gas burners and swivel molding pipe (used by Testing Dept.)	350	450	200
1	Swinging Ventilator Hood (over the kettle) Dia. of Hood 5 ft. with 26 ft. of 30" dia. Iron Flue Pipe with bends and swivel ell's	100	180	50
1	Duction Fan used with above Hood Sturtevant size #50, 18" x 36" outlet and 30" inlet Belt driven by motor #35-33 complete with starter	250	290	125
1	Thor Air Hoist - Chicago Pneumatic Tool Co. Cap. 1 ton - hanging from trolley on 12" beam. This trolley is moved along beam through a train of gears and hand chain.	170	200	40
1	"Lightning" Mixer Motor #142 with clamp for clamping to kettle	140	175	50
1	Small Rotary Furnace (used by Testing Dept.) 30" OD x 4'0" long - driven through speed reducer by Motor #A-129 Fired by 1-1/2" Knock Oil Burner #U780 Ventilating Hood over charge end with 12" stack to roof	.90	140	50
1	Small Lab. Mixer (homemade) Motor #177	60	80	30
1	Skinner Pot, 26" dia. on 34" wheels	50	75	20

BUILDING - #111

Equipment

PLANT - Refining

STRUCTURE - Refinery Buildings

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Rotary Furnace Flue Dimensions Brick Flue 9 ft. high, 6 ft. wide from Rotary Furnace to brick riser where steel flue starts. Riser - 8' x 10' - 25' high	\$ 6,000	\$ 6,500	\$5,000
1	Residue Flue Brick Flue, 80 ft. long - 75 ft. high - 6 ft. wide	2,500	5,000	1,500
1	Rotary Furnace 18 ft. long, 4'6" O.D. - Dimensions mounted on Treadmills driven by chain through Speed Reducer - 3 H.P., Gear Motor - 1750 R.P.M. Rotary is completely headed for ventilation	15,000	17,000	8,000
	Suction fan is #80 Universal Blower - Electric Blower Co., Chicago Discharge 33" x 34" Suction 34"	45	175	75
	V-Belt Drive - 5 belts	130	150	65
	Fan driven by 15 H.P. Motor, 1800 R.P.M. - Motor Pulley 19" - Fan Pulley 30" The materials are fed to this Rotary by three conveyors: One - 30" Pan Conveyor driven through speed reducer - Motor - 6. H. - 8 H.P. - 300 R.P.M.	237	254	180
	Two - 18" Belt driven through two speed reducers by 3 H.P. G. H. Motor - 300 R.P.M.	235	500	180
	Three - Jeffrey Vibrator Feeder on 4-wheel carrier on track	1,500	1,500	700
	Rotary Furnace is fired by 6" Mack burner	185	170	60
	All starters Push Button, also Motor Generator Set with starter and ammeter for Jeffrey Vibrator are mounted on one sheet iron panel. Motor on this Motor Generator Set is 3 H.P., 1750 R.P.M., Motor #344	400	500	200
1	Hoisting Winch - the motor is not on the winch at the present time as it is on a screw conveyor at the Residue. Has been listed with Residue Equipment.	-	-	-

BUILDING - # 111

Equipment

PLANT - Refining

TREATMENT - Refinery Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT	
			VALUE (NEW)	VALUE AS IS
(Rotary Furnace - Continued)				
1	Man cooling fan 8 blades, 26" diameter Motor 141A, 3/4 HP, 1725 RPM 115	85	125	40
100	Feet Narrow gauge track 8 four wheel narrow gauge buggies for slag molds used in tapping furnace	150	300	75
2	Sledge Hammers	4	6	2
6	Tapping bars	4	6	2
5	Shovels	2	3	1
(Refinery scrap metal shear)				
1	Length of jaw 24" - 10" bite, belt driven by Motor # 142B, 15 HP Westinghouse 900 RPM with G.R. Hand starter	450	1,200	300
1	(Refinery Bridge)		254	298
1	Buffalo Forge Co. 742 - Size 50" diameter Fan 4' - Suction 50" Discharge 17" x 15", belt driven by 2HP G.R. 1725 RPM single phase motor on Bracco #100 115 volts 1/4 HP 1725 RPM complete with necessary ventilating pipe	4,500	6,000	3,200

BUILDING - #111

PLANT: - Refining

Equipment

FEATURE: - Refinery Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
(Kettle Floor)				
2	Vertical Mixers with 8" diameter shaft - Standard Impeller Vertical Westinghouse Gear Motor - 15 HP, 175 RPM	\$1,200	\$1,500	\$ 600
4	Standard Runsey Pump, 2" delivery pipe, 7-1/2 HP motor (vertical), 720 RPM, Motor #84	2,000	3,200	1,400
2	Standard Runsey Pumps, 2" delivery pipe, 7-1/2 HP Motor (Vertical), 720 RPM, Motor #87	1,200	1,400	640
1	Standard Runsey Pump, 2" delivery pipe, 7-1/2 HP vertical motor, 1000 RPM	625	725	500
2	Horizontal Mixers, 8-1/2" shaft, Standard Impeller 15 HP motor, 720 RPM, variable speed with controller and resistance bank	1,600	2,000	800
1	Vertical Mixer - 8" shaft - V-belt drive - 50 HP Motor reliance, 720 RPM - variable speed with bank of resistance and controller	5,000	5,000	500
1	Vertical Mixer - 8-1/2" shaft -Special Impeller, 15 HP Westinghouse Motor, 1740 RPM, variable speed - with controller and bank of resistance	1,200	1,500	600
(Refinery - Main Floor)				
2	Molding Pumps - 1" delivery pipe with 5HP vertical westinghouse motor, 1120 RPM, variable speed	1,600	2,000	800
2	Lead Pumps, special skeleton frame, with Standard Runsey pump head, 2" delivery pipe, vertical motor, 15 HP, 670 RPM	1,600	1,800	800
2	Litharge Pots with 24" wheels	40	75	20
8	Wheelbarrows with pneumatic tires	120	120	50
6	Wheelbarrows with iron wheels. These are not starters mounted for each. Pump and mixer motor listed above, but there is a starter mounted at bottom for the mixer or pump that is used that particular kettle.	120	250	100
15	8 cavity lead pig molds as used at molding circle	350	450	-
1	8-ton lead mold, 24" x 24" x 12"	50	75	25
9	Cracked 8-ton cast iron molds (scrap)		Scrap	300
5	Blast Furnace skimmer pots, 4'6" diameter, 26" high, these are spares under checker, they have no wheels	600	600	300

BUILDING - #111
Equipment

PLANT: - Refining
FEATURE: - Refinery Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
12	4-ton steel molds (new), molds along low line(welded) track, east of residue furnace	\$3,304	\$3,304	\$1,500
10	4-ton steel molds	2,670	2,670	500
14	4-ton cast iron molds	1,778	1,778	500
25	4-ton Cast iron lead molds	5,178	5,500	1,600
12	Flat Bottomed Pans, 4' x 6' x 10"	2,100	2,400	600
11	Round Bottomed Pans, 4' x 6' x 24"	900	1,100	450
8	Ash Buckets 4' x 7' x 4' with rounded bottoms with one end hinged for dumping	300	450	150
8	150-ton Kettle Setting, complete with stokers	64,000	80,000	40,000
8	150-ton Spare Kettles	4,500	5,700	1,500
1	150-ton New Kettles Spares	1,900	1,900	1,900
1	60-ton Kettle, cast iron	700	900	400
1	250-ton Steel Kettle at Shipping Office	2,100	2,700	1,000
8	Kettles, Jib Cranes } Howard Presses }	2,000	2,600	4,000
2	Dress Buckets (conical) 4 ft. at top, 30" bottom, 50" high - perforated	300	700	200
4	Temperature Recorders - Brown Pyrometer - 8 Record Instruments, heat control of kettles by Bristol temperature controller with "Teepole" control and Westinghouse starters for motors	1,100	1,500	500
10	Steel bins for storage (on softener floor) 5 ft. high, 18 ft. long, 8 ft. deep	400	600	200
1	G.E. Water Cooler, drinking fountain	145	175	75

BUILDING - # 111

Equipment

PLANT - Refining

FEATURES - Silver Room

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
2	Rotarys cupel mounted on Wagons (Rotary reversible) each rotary 7'10" long, 3' diameter outside, chain driven 3/4 HP Louis Allis - Motor Gear) 1740 RPM Ratio 156 - 1	6,000	9,000	3,000
1	Kiwell Park (1/4 Our Number) Forked truck	6,100	7,100	6,000
1	Large condenser stand	50	60	50
1	Reactor Lead trough	50	50	50
4	Storage bins (Mine drags) 7'6" deep tapered on one side 34" x 60", 7'6" deep	300	300	250
1	Fairbanks # 191B scale moving part of floor scale 33" x 47"	545	550	325
1	Safe door built into building	100	250	75
1	Wash basin	15	15	5
1	Toilet	20	50	5
1	Voland & Son scale for weighing silver in Silver room office	750	1,100	500
1	Hopper & Trough trough 4' long with 4" diameter bottom	15	25	5

BUILDING - #111

Equipment

PLANT - Refining

FEATURE - Silver Room

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (\$M)	VALUE AS IS
1	Man cooling fan, 28", 4-blade fan driven by 1/2 HP Robbins & Myers 1750 RPM Motor	\$ 125	\$ 150	\$ 70
1 lot	Miscellaneous hoods and small flues, 30" and 30" diameter	8,000	4,000	500
1 lot	Bar handling and cleaning equipment (new, not installed)	4,085	4,085	3,000
1	Buffalo Duplex Conical Fan Size 6-1/2" Shop No. A-45289, driven by motor #76, 15 HP triumph - 1150 RPM - 440 volts, Fan inlet 48", outlet 34" x 44"	4,500	6,000	1,000
1	Screen shaker and stand Shaker name plate No. 454 Chicago Pneumatic	100	150	25
7	Oil Burners for cupola and retorts	500	700	105
5	Retorts - 41" long, 23" center diameter	3,000	4,800	500
50	Retort bottles	1,700	1,700	1,550
5	Softener Slag Pots consisting of 2-wheel hand buggy with pot mounted on buggy Pot size - bottom 15", top 25", depth 15". Each pot has spent	150	250	50
7	Litharge Pots - pot is square and mounted on 2-wheel buggy	210	350	70
5	4-wheel trucks with metal boxes mounted on solid base	250	350	100
2	4-wheel trucks with no boxes - flat plate on top - size of plate 5/4" x 34" x 55"	200	300	40
97	Silver Molds	750	750	450
5	Condenser casings	15	15	-
5	Condenser casings (to be repaired)	25	25	-
5	Condenser casing stands	150	200	25
1	4-wheel Lift Truck with metal and wood platform 20" x 48"	1,000	2,500	500
1	1-ton Furnace Pot	50	75	10
8	Sets (1 set, 2 molds) Retort Nine Molds - Top of molds 57" x 57" - top 15" High, 10" deep	500	400	100
1	Pouring Tilting Ladle, 27" diameter, 24" deep	410	450	200
1	G.E. Low Press Blower 5.5 HP, Meter 5600 RPM, 5" outlet - with 16.6 ft. 5" iron pipe in Silver Room - line runs back to Power House	150	200	75
2	2-wheel Hand Trucks	14	20	500

BUILDING - #111

Equipment

PLANT - Refining

FEATURE - Silver Room

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Emerson A.C. Arc Welder, Model AW-150-AH-150, Serial P-24-P-376, volts 230, 27 amperes, 60 cycle, 1 HP, 4 to 7 Kilowatts	\$ 190	\$ 250	\$ 80
1	Rotary Casting Table, 36" diameter, height adjustable	50	100	50
5	New Zinc Molds and one condenser rack to go with Elwell Parker. Rack is new	375	400	170
2	Cupel Hoods - 6'6" x 7' x 8 ft. high, tapering up to 20" - flue pipe	500	700	200
45 ft.	20" diameter Flue Pipe			
60 ft.	20" diameter Flue Pipe with drop pipes to hoods			
5	20" 8 ft. long drop pipes	700	1,000	300
2	20" 8 ft. long drop pipes			
2	Retort Hoods - 9' x 14' x 7'6" high with taper			
1	Man Cooling Fan with 8 blades - diameter of blades 38" - Motor #315 - 1/4 HP - 1188 RPM - 110 to 230 volts	60	80	50

BPL000000306

BUILDING - #111

Equipment

PLANT - Refining

FEATURE - Lighting

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT</u>	<u>VALUE AS IS</u>
5	(South End of Refinery, Outside) Weatherproof Fixtures			
1	200 Watt Elliptical Angle Shades			
2	(South End of Refinery, Inside) 200 Watt Elliptical Angle Shades			
12	(Lead Floor, North and South) 300 to 500 Watt Direct Shades			
1	300 Watt Direct Shade			
1	200 Watt Elliptical Shade			
1	400 Watt AHI High Intensity Mercury Vapor Lamp, complete with shade and transformer			
6	(Kettle Fire Boxes) 200 Watt Elliptical Shades			
6	Direct Lights in Control cabinets			
8	(Refinery Office, outside) Direct Lights			
4	(Foreman's Office) 8 to 20 Watt Fluorescent Fixtures			
4	(Scale Office) 3 - 20 Watt, one 4 to 40 Watt Fluorescent Fixtures			
8	Duplex Outlets			
2	(East Wall of Refinery, Inside) Extension outlets			(VALUED ON FOLLOWING SHEET)
2	(North end of Lead Floor) 300 Watt Elliptical Shades			
2	200 Watt Elliptical Shades			
1	300 Watt Direct Shade			
7	(Silver Room Track) 300 to 500 Watt Elliptical Shade			
2	200 Watt Elliptical Shade			
1	10" Flat Shade			
6	(Silver Room Showcases) 300 to 500 Watt Direct Shades			
6	(Office and Scale Room) Direct Lights			
2	Outlets			
5	(Cupels and Stairs) Direct Lights			
1	(Northwest Corner Silver Room, outside) Weatherproof Fixture			
4	(Refinery Oil Tanks) Direct Lights			

BUILDING - #111

Equipment

PLANT - Refining

FEATURE - Lighting

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>REPLACEMENT</u>		
		<u>ORIGINAL COST</u>	<u>VALUE (NEW)</u>	<u>VALUE AS IS</u>
17	(Kettle Floor) 200 Watt Elliptical Shades			
1	200 to 500 Direct Shade			
4	Direct Lights in Instrument cabinet			
6	(Old Softener Floor) 200 Watt Direct Shades			
1	Elliptical 200 Watts			
4	Direct Lamps			
5	(Blast Furnace Scales) 200 Watt Elliptical Shades			
8	(Blast Furnace Room) 200 Watt Direct Shades			
1	200 Watt Elliptical Shade			
6	(Blast Furnace Laboratory) Direct Lights			
1	Outlet			
2	(Gas Meter Room) Direct Lights			
5	(Blast Furnace Flue) Direct Lights			
14	(Brick Mason Shop) Direct Lights			
42	(Under Kettle Floor) Direct Lights			
2	(West Side of Refinery Outside) Direct Shades			
2	(Power House) 200 to 500 Direct Overhead Shades	\$4,450	\$6,000	\$3,150
Labor of Handling and Installation		<u>\$7,445</u>	<u>\$1,550</u>	<u>10,457</u>
TOTALS		\$411,870	\$546,700	\$308,700

BUILDING - # 112

Structure

PLANT: - Refining

FEATURE: - Experimental Laboratory

GENERAL DESCRIPTION

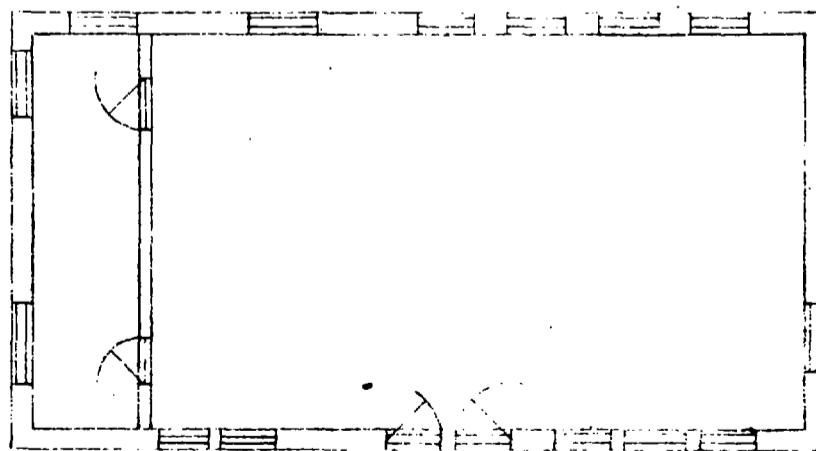
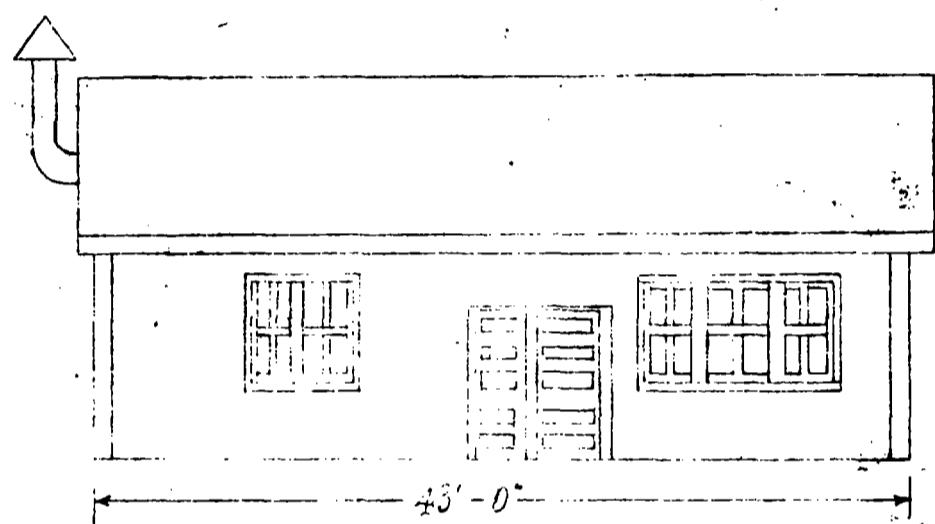
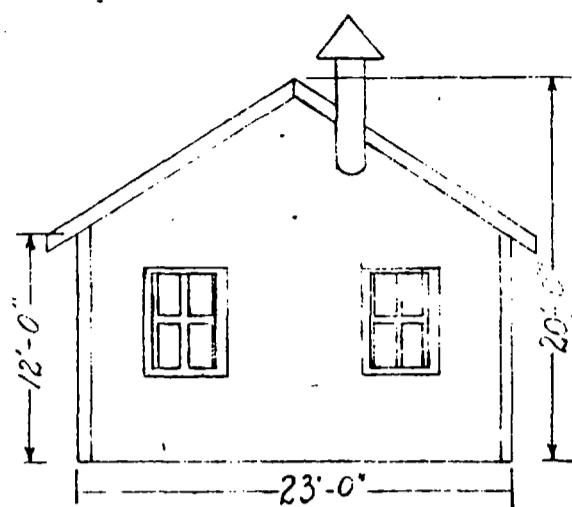
This building was constructed of ready built wood panels with wood sash and doors, erected on a concrete slab which serves as a floor. The sash and doors are of wood and the interior is lined with calotex. The roof is of wood panels finished with roofing paper. The building houses miscellaneous equipment and chemicals used by the testing department in making experiments.

CO-13

BLDG. # 112

ALL WOOD CONSTRUCTION

CONCRETE FLOOR TAR PAPER ROOF



INTERNATIONAL SMELTING AND REFINING CO.
EAST CHICAGO, IND.

BPL000000310

BUILDING - #112

Equipment

PLANT - Refining

FEATURE - Experimental Laboratory

QUANTITY	DESCRIPTION	REPLACEMENT		
		ORIGINAL COST	VALUE (NEW)	VALUE AS IS
1	Mebel Extricator and Stand	\$ 20	\$ 20	\$ 10
1	Abbe' Ball Mill and Stand	55	45	15
3	1 Gallon Ball Mill Jars	35	40	15
2	1 Quart Ball Mill Jars	8	10	4
1	Ainsworth Balance, Model BLM, with weights	180	180	100
1	Hilman Gauge, 3 inch	18	25	9
1	Hilman Gauge, 1-1/2 inch	18	25	9
1	Gleason & Tilgner 10" Rockwood Point Mill	140	150	70
1	Vacuum Pump, 2 cylinder	60	75	30
1	Relay and Rheostat for Thermoregulator	18	20	9
1	O.E. Helical Immersion Heater, 1000 Watts	8	10	4
1	Cutter-Kanner Immersion Heater, 200 Watts	5	6	3
2	Boston Gear Pumps, Bronze, 1 GPM	8	10	4
1	3-Place Gear Driven Stirring Apparatus	80	100	40
1	Weber Drying Oven, 12" x 12" x 12"	80	100	40
1	Drying Cabinet, 30" x 30" x 14", forced draft	40	50	20
1	Muffle, Electric, 4" x 4" x 4"	24	30	12
1	Gardiner Mobilometer	55	45	17
1	Scott Volmmeter	18	25	9
1	Solution Balance and Weights	45	50	20
1	Set 1/4" Alphabet Dies	5	7	3
1	Set 1/4" Number Dies	1	2	1
1	Rex Rheostat, Slide Wire, 27 OHMS, 4 Amps.	8	9	4
1	Ribbon Mixer - Power Driven	180	200	50
1	Western Voltmeter, 1-1/2 volts	80	85	10
1	Fisher Thermoregulator	10	14	5
1	Fleming Transport Number Apparatus	40	50	20
1	Variable Speed Motor 1500-4000 RPM, 115 volts AC, 0.8 Amperes for eddyimeter	25	30	14
1	Buffalo Forge Co. Blower and Motor	25	40	18

BUILDING - #112

Equipment

PLANT: - Refining

FEATURE: - Experimental Laboratory

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL COST	VALUE (FIRM)	
1	Motor Generator Set Input Motor 440 volts AC Output Generator 500 watts	\$200	\$250	\$100
1	Wilson-Mougin Millivoltmeter - 2000° F.	50	75	50
1	Gas Metaplate, 34" x 34"	10	15	8
	Miscellaneous Chemical Glassware	50	100	40
1	Riffle Sampler	10	20	8
3	Fisher Burners	4	6	2
1	Set Chemicals	50	75	30
	Labor of Handling and Installation	65	65	40
	TOTALS	\$1,695	\$2,040	\$ 830

BPL000000312

BUILDING - # 114

PLANT: - Refining

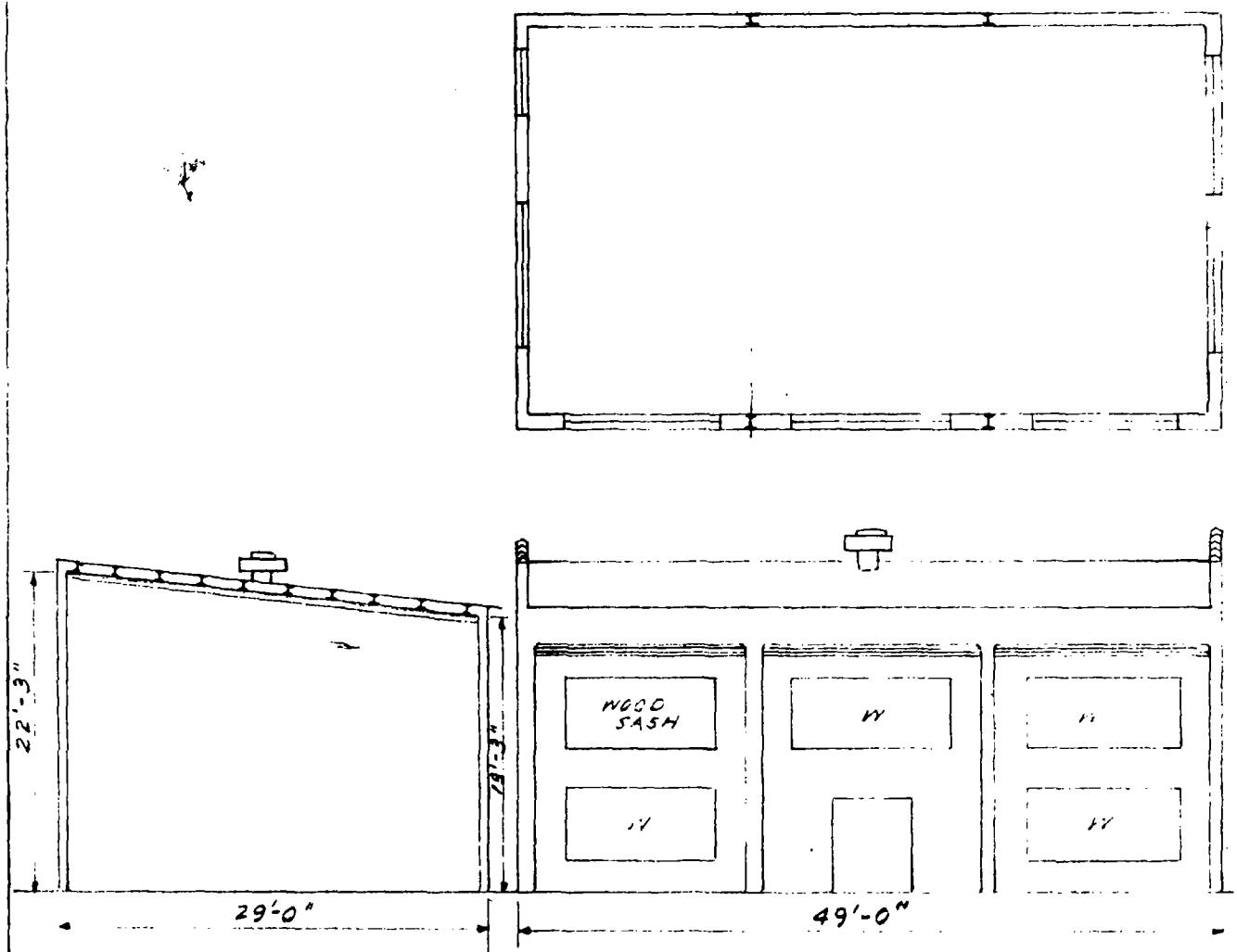
Structure

FEATURE: - Engine House

GENERAL DESCRIPTION

The Engine House was built to house certain equipment used to supplement the general refining process. It is built on concrete foundation of brick and steel with a concrete slab roof poured over steel purlins and surfaced with a composition roof. A 36" ventilator is installed in the roof and screen openings in the doors at grade level. Sash and doors are wood. Building adequately lighted by (2) 500 watt ceiling fixtures.

The equipment consists of water pumps, air compressors, oil pumps, blowers and a power distribution panel.



POWER HOUSE
BUILDING NO 114
BRICK
STEEL BEAM - CONCRETE SLAB ROOF
BUILT UP ROOFING

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA.

BPL000000314

BUILDING - #114

PLANT: - Refining

Equipment

FEATURE: - Engine House

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
2	Worthington Air Compressors. Size 12" x 15" Single-Horizontal-Weather valve with automatic pressure regulators. Driven by two 75HP 1175-2200 volt G. E. motors. Switch Board-automatic or hand control. Shop #231	\$ 7,000	\$ 10,000	\$ 5,000
1	Air receiver 48" x 16'6" for 100 lb pressure	500	650	150
1	All steel water tower and storage tank. Capacity 80,000 gallons.	7,000	8,000	8,000
4	Flood lights on platform above tank	888	1,000	500
1	50' Diameter concrete reservoir in ground 7'0" deep with fence 100,000 gallon capacity	5,700	5,900	1,000
1	Worthington water pump 4" discharge (volute type)	250	275	175
	Driven by Allis Chalmers 50HP motor 1750 RPM - 440 volts. Shop # 41 Direct coupled with automatic control	375	315	125
1	General Electric (low pressure) Centrifugal air compressor. Type T-1 - 1530 - 24B - Form A - 3450 10" outlet Direct coupled to 50HP - 3600 RPM 440 volts G. E. Motor Shop #9 with G. E. starting compensator	1,770	2,000	700
2	Viking Oil Pumps model EX Figure 32 - 2" all iron - Rotary type with V-belt drive. One 2 HP 1800 RPM 440 volts G.E. Motor Shop #64-A one driven by 2 HP Grecker Wheeler Motor 1150 RPM 440 volts Shop #230. Both with automatic controls	500	350	150
1	Hausk Automatic Oil Heater #6100 Serial 74011 with temperature control	300	400	100
1	Worthington After Cooler Size 6 ft L-41917	657	775	300
1	Bench - Steel legs - 50" wide 9ft. long 34" high with 4" Prentiss Vice #188	40	50	15
1	Trans Unit Heater Size 31N Serial #168307 1/8 HP 1140 RPM 110 volts Shop # 348 Wagner Electric 10" Standard Iron Pipe From Power House to Kettle Floor	90	125	55
200 ft.	8" Standard Iron Pipe From Kettle Floor to Blast Furnaces	650	800	200
1	Power control panel 8'2" wide 7'6" high 5 - 400 ampere 440 volt "Condit" oil circuit breakers 1 - 1000 ampere 440 volt " " " " " 2 - Sungame 40 Watt-hour meters type 150 Amp 440 volt 60 cycle 3 wire 3 phase 1 - 500 volt voltmeters 3 - 500 Ampere Ammeters "Weston" 2 - 150 " " "	6,000	6,500	2,500

BUILDING - #114

PLANT - Refining

Equipment

MACHINE - Engine House

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Light control panel attached to power panel 24" x 7'6" with 2 Westinghouse DS-Ion Circuit Breakers 100 Amperes 250 Volts A. C. 1 Westinghouse DS-Ion Circuit Breaker 125 amperes - 250 volts 1 Westinghouse DS-Ion Circuit Breaker 250 amperes 250 volts	150	250	100
1	6 Circuit 440 volt Distribution panel	200	300	125
1	Kuhman dry type transformer 10 KVA 60 cycle High 540/480 volts Low 120/240 volts	100	150	75
(Compressor controls)				
1	Control panel - steel front 4 section 2 G. E. Oil Circuit breakers 2 G. E. Controllers G.E. 7908 - R- 1A Service Mag Switch - Cat 553147908 - 60 cycle 300 HP - Max. amperes - 100 Diagram K - 8900308 Volts - Motor - 2500 volts control 250 1 G. E. Watthour meter 1 1-1/4 KVA G.E. transformer oil type 2400/4160Y 120/240 volts for circuit above mag. switch 2 Potential transformers 2 Current transformers	1,920	8,500	1,500

BPL000000316

BUILDINGS - #114

Warehouse Material

PLANT: - Refining

FEATURE: - Engine Room

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS ASKED
		ORIGINAL COST	VALUE (MM)	
1	Ingersoll Rand Air Compressor Size 5" x 7" Class H.R.I., #44441 (No Meter)	\$ 800	\$ 780	\$ 200
1	Allis Chalmers Water Pump, size 6, Type #4445, 1000 G.P.M., 70 ft. H.D., 1750 RPM with base, (No Meter)	200	375	100
1	Fairbanks Morse Water Pump. Valmet type 4" discharge, direct coupled to Allis Chalmers Motor Shop #18, 30 H.P., 1800 RPM, 440 volts	600	600	600
1	"Mark" Generator, 400 KWH, 6 volt-4000, Shop #B-128, direct couple to 30 HP, 600 RPM, 440 volt Chicago Electric Motor No. B-127	750	1,000	500
1	Field Exciter, 1/2 H.P., 1800 RPM, 115 volt Shop #B-129			
1	Lot Miscellaneous Piping	3,000	4,000	1,500
Labor of handling and installation		5,000	5,500	5,000
TOTAL		\$39,900	\$56,300	\$22,950

BPL000000317

BUILDING - # 116

Structure

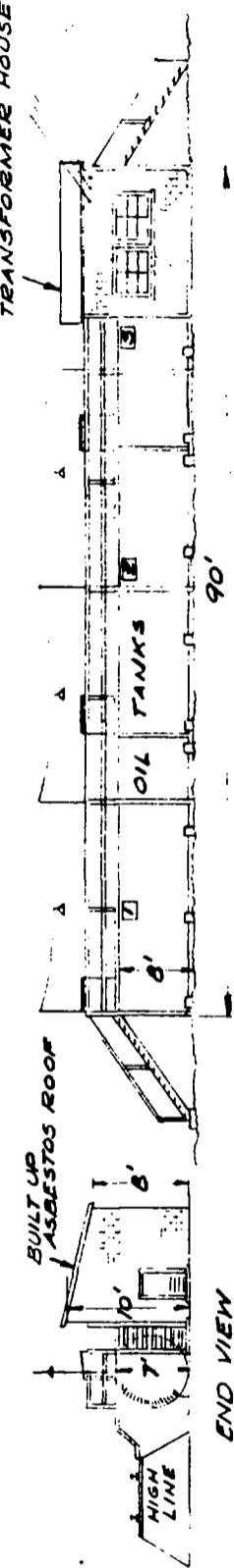
PLANT: - Refining

FEATURE: - Transformer House

GENERAL DESCRIPTION

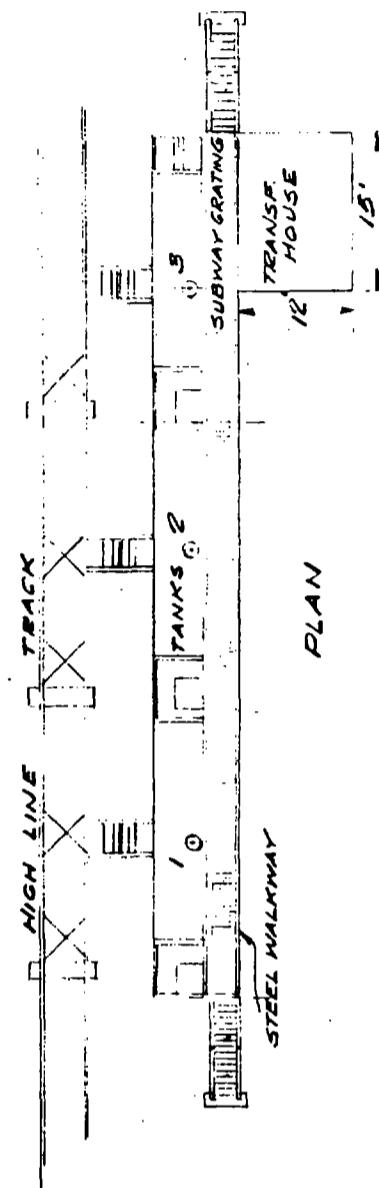
The transformer house is built of brick laid on a concrete slab which serves as a floor. The roof is of concrete topped with a built up roof. The equipment consists of secondary transformers used in supplying the refinery with power.

TRANSFORMER HOUSE NO 116



END VIEW

SIDE ELEVATION



PLAN

TRANSFORMER HOUSE
AND FUEL OIL TANKS
BUILDINGS NO 116 & 117
BRICK WALLS - CONCRETE FLOOR

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BPL000000319

BUILDING - # 116

Equipment

PLANT: - Refining

FEATURE: - Refinery Switch House

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
3	Delta Star air break disconnecting switches	\$5	150	60
90	Feet 1-1/2" copper pipe	\$0	90	40
18	Insulators	\$8	76	40
45	Feet 1-1/4" steel pipe	\$0	50	15
1	Slate panel 1-1/2" x 34" x 68" including			
1	400 ampere oil circuit breaker			
1	Westinghouse recording demand meter	\$50	450	300
2	Current transformers			
2	Potential "			
3	Westinghouse single phase 75 KVA 2300 - 1900 / 440 - 220 volts 50 - 140 cycle transformers	900	1,500	900
1	Westinghouse single phase type S 50 KVA 440 - 220/110 Transformer	175	275	175
1	Westinghouse single phase 25 KVA 2300 - 220/110 transformer	175	275	175
2	Porcelain fused disconnects	\$8	50	20
1	4" YV AB fitting and three hole porcelain cover	4	6	2
40	Feet 4" conduit (underground)	\$0	100	40
32	Feet 2" conduit (underground)	40	60	20
150	Feet 750 C.M. Rubber covered cable	150	225	75
150	Feet 2/0 Rubber covered wire	60	70	35
40	Feet 3/4" conduit (to power house)			
50	Feet 1/2" conduit	\$0	60	20
(Power line from main substation)				
1,500	Feet 2/0 weatherproof wire			
2	55 feet -- Poles complete with cross arms and insulators			
3	40 feet -- Poles complete with cross arms and insulators	900	1,200	600
3	Lightning arresters			
Labor of Handling and Installation				
TOTAL				
		\$5,317	\$5,077	\$2,657

BUILDING - # 117

Structure

PLANT - Refining

FEATURES - Fuel Oil Tanks

GENERAL DESCRIPTION

Three fuel oil tanks are supported on concrete saddles adjacent to the high line tracks at the silver river near the engine house, walkways, stairs and platforms are provided for operators. The tanks are heated and insulated and lighting provided for operation. These tanks receive fuel in car lots for the refinery needs.

BUILDING - #117

Equipment

PLANT: - Refining

FEATURE: - Refinery Oil Tanks

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE		VALUE AS IS
			(NEW)	AS IS	
3	Oil Tanks No. 1 - 8 ft. dia., 26'7" length No. 2 - 8 ft. dia., 28'1" length No. 3 - 8 ft. dia., 28'1" length Total length 83'9" Total weight 19,256 lbs. Insulation and covering	\$2,350	\$3,200	\$1,500	
1	Gould Oil Pump, gear driven Discharge line 8" Intake line 8" Shop Motor No. E-47	160	185	90	
1	Length of 8" flexible hose 10 ft. long	7	10	8	
3	1 to 8 ft. Heating Coil automatically controlled in each tank	750	900	500	
1	Filter for cleaning oil	100	150	50	
	Labor of Handling and Installation	<u>353</u>	<u>445</u>	<u>218</u>	
	TOTALS	\$5,920	\$6,890	\$3,340	

BUILDING - # 118

Structure

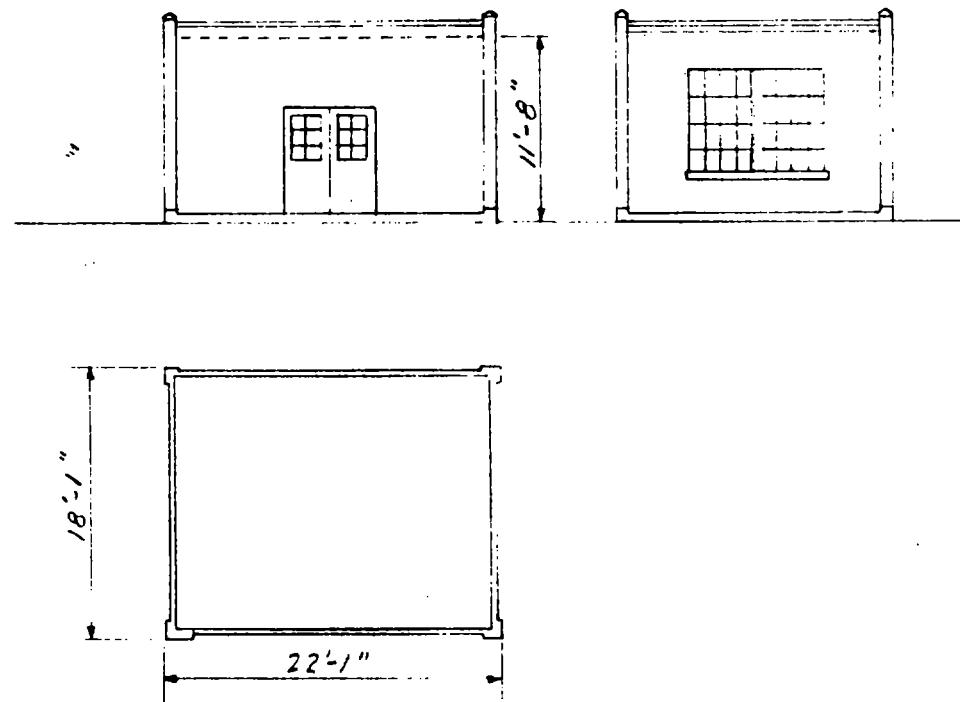
PLANT - Refining

FUNCTION - Fire Pump House

GENERAL DESCRIPTION

The fire pump house was constructed to house the pump and meter to provide water at the proper pressure for the fire system.

The building is built on a reinforced concrete foundation part of which forms the pit for incoming pipe lines and meter. The construction is of brick with steel sash and wood doors. The roof is of poured in place cinder concrete topped with a built up asphalt roof. Power is furnished by parkway cable laid underground. The building is heated with a gas heater. A switchboard is provided to control the motor for the fire pump. The installation is underwriter approved.



FIRE PUMP HOUSE
BUILDING No 118
CONCRETE & BRICK ROOF - CONCRETE & STEEL BEAMS
2 PLY ASBESTOS ROOFING

INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO - INDIANA.

BPL000000324

BUILDING - #118

Equipment

PLANT: - Refining

FEATURE: - Fire Pump House

QUANTITY	DESCRIPTION	REPLACEMENT		
		ORIGINAL COST	VALUE (NEW)	VALUE AS IS
1	100 H.P. Motor, C.G. 100A, direct couple to Gould centrifugal pump, capacity 1000 gallons per minute per 100 lb. pressure, diameter of impeller 17-1/2", 1750 R.P.M., R.H.P. 87. Max. H.P. 93.	\$ 800	\$ 800	\$400
1	Westinghouse approved Fire Pump controller, 100 H.P., 60 cycle, 440 volt, style No. 50 780424	1,000	1,250	850
1	1-1/2" Pittsburgh Water Meter	85	110	40
1	Korahay Water Meter)	100	125	50
1	6" Check Valve)			
3	6" Cast Iron Gate Valves	Lot	1,200	2,000
1	6" Tee			
1	2" Brass Gate Valve			
1	2" Brass Check Valve			
3	1-1/4" Brass Check Valve			
1	Reduced Cast Iron Tee, 6 x 6 x 4			
1	Special Fitting			
	4 - 6" openings			
	1 - 6" opening			
1	Special Fitting			
	3 - 6" openings			
	1 - 4" opening			
2	4" Cast Iron Gate Valve			
1	6" Cast Iron Tee			
1	6" x 6" Reduced Cast Iron Tee			
1	Header with four 6-1/2" valves threaded for fire hose connections			
5	Water Pressure Gauge, 100 x 200 x 240 graduations			
20 ft.	6" Steel Pipe			
15 ft.	6" Steel Pipe			
1	4" American Relief Valve, pressure 100 lbs.	100	125	50
1	Giant Size #1 Starter	15	15	5
1	Westinghouse, type J.R. single phase, Transformer, 440/115 volts, 1-1/2 KVA	60	75	25
1	Gas-Dra automatic Gas Heater with automatic controls and thermostat	175	275	80
1	Bristol Pressure Recorder, Range 0-50 lbs., Chart 4455, Serial 88765	45	60	20
1	Gould Hand Operated Bilge Pump	30	40	15
3	Overhead Light Fixtures	50	75	25
	Labor of Handling and Installation	543	745.5	197
	TOTALS	\$3,800	\$5,695	\$2,160
		=====	=====	=====

BUILDING - #119

Structure

PLANT: - Refining

FEATURE: - First Aid, Mess Hall and Change House

GENERAL DESCRIPTION

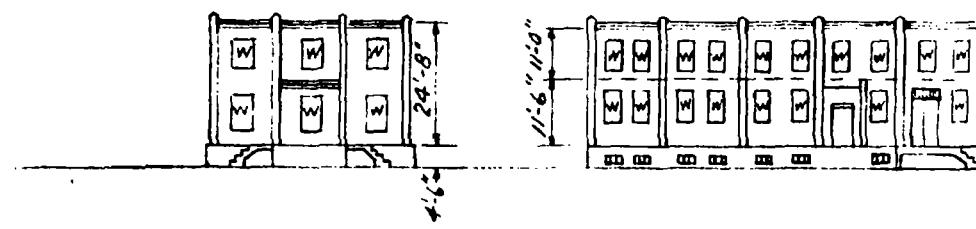
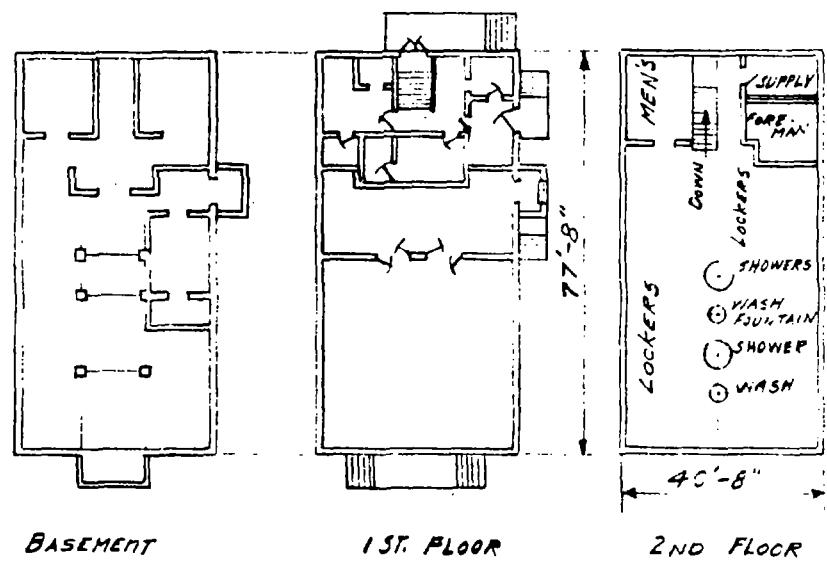
The Service Building was constructed to house the First Aid Station, Mess Hall and Shop Change House. The building is a two story and basement structure with brick vitrified tile and reinforced concrete throughout. The building is finished with a concrete parapet wall and roofed with a built-up asphalt roof. Sash are steel, doors are wood. The basement has a concrete filter and houses the vacuum pump, water heaters and tanks for servicing the building.

The entire interior walls and partitions of the first and second floors are finished with glazed ceramic tile. The first floor is surfaced with asphalt tile, and the second floor is first waterproofed with electric sheet copper and then finished and pitched to the drains with Johns Manville hot mastic troweled in place. Adequate sanitary facilities, lighting and heating features are provided.

The building is fully equipped. The basement houses a single dark room, the toilet for the kitchen help, the refrigerating unit for the kitchen, a precipitron with the supporting equipment for air conditioning, a micro-laboratory in the first aid department, a work room with the necessary equipment to sterilize and repair plant respirators and storage rooms.

The first floor is divided into two main divisions, a first aid department and a kitchen and mess hall, each with their own entrance. The first aid station has four rooms, a dispensary, an examination room, a room designed for a chemical laboratory and a micro-laboratory equipped for urinalysis and the determination of very minute quantities of lead in clinical analysis. The kitchen is well equipped for the preparation of food in quantity. The mess hall itself has never been used as such, but is now used as a drafting room. This room is sound proofed.

The second floor is divided into four rooms - a toilet, janitors storage room, foreman's locker room and general locker room. Wash stands and showers of the Bradley type.



**CHANGE HOUSE & MESS HALL
BUILDING NO 119
CONCRETE & BRICK**

**1ST FLOOR REINFORCED CONCRETE
2ND FLOOR BEAM & CONCRETE
ROOF - BEAMS & CONCRETE
2 PLY ASBESTOS ROOFING**

**INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA.**

BUILDING - #119

Equipment

PLANT - Refining

FEATURE - Change House

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (MM)		VALUE AS IS
			\$	%	
	(Second Floor)				
100 ft.	5/8" garden hose used for washing change house floor	\$ 6	\$ 9	83	
119	Pair White Coveralls	175	250	100	
54	Pair Colored Coveralls	80	110	60	
1	6 ft. Step Ladder)	2	4	1	
1	8' 6" Step Ladder)				
1	Porcelain Pan 20" x 11" x 8" used when waxing floors	Lot	10	30	10
1	Serv. Basket with wringer				
1	Long Handle Mixing Tool				
1	Bottle Kalsome Clean Fluid				
1	No. 2 Shovel				
1	Scrub Brush				
2	14 Quart Galvanized Pails				
1	Aeros (one quart) Spray Gun				
1	Center Window Cleaner				
1	H & H Steel Brush				
2	Cans Paint Cleanser				
2	Tank End Ans				
3	Used Push Brooms				
3	Extra Push Broom Handles				
2	Used Sops				
1	Set of Steel Shelves, height 7', width 20", depth 8"	20	30	10	
2	Steel Lockers, height 6', width 3', depth 18"	40	60	30	
5	Diamond Steel Lockers	80	80	10	
5	Pair Rubber Boots	6	6	6	
1	Showe Bath, height 6', width 3', depth 3'	60	75	50	
2	Onion Foot Pads	4	6	2	
1	Gran Wash Bowl with hot and cold water faucets with high back. Used in foreman's change room.	20	25	10	
1	Mirror 28" x 18"	8	10	4	
1	Mirror 28" x 14"	8	10	4	
1	Mirror 41" x 22"	8	10	4	
5	Garbage Cans 18" x 22"	3	6	2	
2	Lunch Tables 18' x 3'4", height 32"	20	24	10	

BUILDING - #119

Equipment

PLANT: - Refining

FEATURE: - Change House

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (MM)</u>	<u>VALUE AS IS</u>
12	Varnished benches used at lockers supported by three iron pedestals Height 18" Width 10"	\$ 150	\$ 150	\$ 70
1	Crane porcelain drinking fountain, wall type	15	20	0
1	Electric Clock	4	6	0
1	Wall Urinal with water tank	50	75	35
8	Lavatory stools with flush valves	250	350	150
250	Durabuilt Steel Lockers	1,700	2,500	1,000
3	Bridley Wash Fountains with four soap dispensers on pedestal	600	700	500
2	Set of Bridley Showers, 9 shower heads each, soap dispensers each	1,100	1,800	550
1	Plywood Locker Height 7'6" Width 3' Depth 2'5"	15	20	0
1	(Misc-Laboratory) Laboratory Cabinet and Hood	LOT	5,000	4,000
1	Sargent Electrical Drying Oven			8,500
1	Set Sargent Scales			
1	Set of Balances			
1	Dish			
1	Office Swivel Chair			
1	Screw Tap Stock			
1	Handpaper Machine			
1	Garbage Can			
1	American Blower, 1/4 H.P., size 1, type 558			
1	Centrifuge Machine, shop motor #544			
1	Electro-static Precipitator Plant, complete (located in basement)	1,000	1,800	600

BUILDING - #119

PLANT: - Refining

Equipment

FEATURE: - Mess Hall

QUANTITY	DESCRIPTION	LOT	REPLACEMENT		VALUE AS IS
			ORIGINAL COST	VALUE (NEW)	
1	Base Drum		\$ 100	\$ 100	\$ 75
1	Spare Drum				
2	Tennis Sets				
8	Adjustable Music Holders				
1	Trombone Holder				
1	Penny Match Box Machine				
4	Music Instrument Holders				
1	14 piece Allspice set				
1	Sandy Showcase				
	Height 18"				
	Length 52"				
	Width 24"				
7	Cartons Lilly Pasket Gups				
50	Paper Grill Plates				
61	Paper Pie Plates				
1	Bundles of Woolen Draping				
18	Cartons for Drinking Gups				
1	Black Board				
3	Instruction Cards for the Orchestra				
	Lighting System				
1	Ball White Oil Cloth, 48" wide				
1	Fruit Juicer				
1	Round Steel 34" high				
	(Drafting Room)				
1	Liberty 2-drawer filing cabinet		140	180	50
1	Steel Dainty 2-drawer filing cabinet				
1	2-Section Book Case		15	25	5
2	Waste Paper Baskets		5	5	.1
5	Sections of 14 ft. Picnic Tables		20	25	10
11	Supports for picnic tables				
1	Qualid Developer with table		220	350	50
1	Pipe Clothes Rack		5	6	.1
1	Dictaphone		60	125	50
4	Screw Top Buckets		20	25	10
2	Small Hard Wood Varnished Tables		5	10	.5
1	Push Broom	LOT	5	5	.5
1	Dust Pan				
1	Refuse Can				
2	Wooden Benches 12 ft. long				
1	Lynn 2-Section Blueprint Filing Cabinet, Steel	LOT 200	400	100	
1	Lynn 2-Section Blueprint Filing Cabinet, Steel				
5	Wooden 2-Section Blueprint Filing Cabinets				
1	Book		25	50	.50
1	Office Chair		20	25	.10
3	Drafting Tables		110	180	.50
2	Collapsible Drafting Tables		20	40	.15

BUILDING - #119

PLANT: - Refining

Equipment

FEATURE: - Mass Hall

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL COST	VALUE (KNU)	
	(Kitchen)			
2	Garland Gas Range	\$ 200	\$ 500	\$ 50
1	6-Door Maytag Electric Refrigerator Height 7 ft. Width 7 ft. Depth 3 ft. 8 in.	1,100	1,500	700
1	Double Galvanized Tub with drain	275	400	150
2	Varnished Straight Backed Chairs	4	6	2
10	Painted Straight Backed Chairs	20	20	10
5	Serving Trays	4	6	2
1	8-Gallon Wear Ever Kettle	4	6	2
1	10-Gallon Wear Ever Kettle with faucet	6	8	3
2	Black Iron Roasters	5	10	4
1	15-Gallon Wear Ever Kettle	6	12	4
1	Large Aluminum Dish Pan	4	6	2
1	Large Colander	10	12	5
2	Granite Sinks with hot and cold water spigot 15" x 24" x 12"	45	70	30
1	1/24 Vollrath Ware 15 Gal. Cast Iron Porcelain covered Pot	LOT 400	800	300
1	Push Broom			
1	Wire Waste/paper Basket			
4	Small Spoons			
50	Forks			
50	Knives			
50	Large Table Spoons			
7	Large Mixing Spoons			
2	Paring Knives			
5	Soup Ladles			
1	C.V.B. Meat Chopper			
1	Rolling Pin			
2	Potato Masher			
2	Hand Egg Beaters			
1	Potato Ricer			
1	Sharpening Steel			
1	Butter Slicer			
2	Pork Scraper			
1	Cupboard full of restaurant ware. Plates, saucers, cups, glasses, salt and pepper shakers, creamer, platters, dishes and bowls			
1	Cash Register	25	75	10

ENCLOSURE - #119

Equipment

PLATE: - Refining

FEATURE: - Mass Hall

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)		VALUE AS IS
			\$	%	
1	Robert 4-section Filing Cabinet (First Aid)	\$ 30	\$ 45	60	
1	Berley 4-section Filing Cabinet	30	45	10	
1	Set Beach Scales used during Doctor's examinations	60	75	30	
1	3-drawer Desk Height 2'6" Width 2'6" Length 5'6".	30	55	15	
1	Stapling Machine	2	5	1	
2	Lavatory Sink with flush valve	75	100	55	
2	Corner Glass Wash Bowl	30	40	15	
1	Towel Rack	2	5	1	
2	Mirrors, 12" x 9"	10	15	5	
2	Steel Chairs with head rest	30	50	15	
2	Steel porcelain top tables Height 2'6" Length 1'8" Width 1'4"	4	6	2	
1	Marine Deck Chair	20	30	15	
1	Foot Bath Tub	60	100	60	
1	Grocery Wash Bowl with tumbler soap dispenser and spray, knee control attached	60	100	60	
1	Refuge pan 12" x 18"	2	5	1	
1	Instrument Cabinet, glass, size 18" x 35" x 10"	40	60	30	
1	Steel Cabinet with casters Height 22" Length 22" Width 15"	60	75	30	
3	Glass Jars with Covers	2	5	1	
1	Paper and Black adhesive plaster rack	1	2	1	
1	Vortex Cup Container	2	5	1	
1	Stretcher	20	30	15	
1	Operating Table	100	125	50	
1	Steel Cabinet with casters Height 22" Length 22" Width 15"	60	75	30	

BUILDING - #119

Equipment

PLANT - Refining

FEATURE - Mess Hall

QUANTITY	DESCRIPTION	REPLACEMENT			VALUE AS IS
		ORIGINAL COST	VALUE (NEW)		
2	Granite Sanitary Tube on frame used when cleaning respirators (Basement)	\$.00	\$.00		\$.00
1	Granite Sanitary Tube on frame used when cleaning respirators (Basement)	\$.00	\$.00		\$.00
1	I.L.G. Electric Ventilating Fan, intake 8", exhaust 8", shop motor #347	30	30		15
1	General Electric Ventilation Fan Shop Motor #344	30	30		15
1	Lyon Filing Cabinet used for repairs for goggles and respirators, 18 drawers, 6" x 11" x 3"	20	20		10
2	Bottles of Formaldehyde used for cleaning respirators	6	6		3
3	Boxes of respirators and parts	12	12		6
1	I.L.G. Ventilating Fan, Electric, Shop Motor #346, intake 8", exhaust 8"	30	40		15
6	Lengths of Wood Matting used in respirator cleaning room	30	35		15
54	Pair of used Safety Goggles	LOT	40	40	20
5	Pair of New Broadnought Safety Goggles	LOT	12	15	6
5	Pair of New Style CGI UV Goggles				
2	Pair of New Style HSS Fiber Spectacles				
2	Pair of New Type #7800 Safety Goggles				
2	Pair of New Type #78002 Safety Goggles				
4	Cartons of Wilson's Lens, #119	6	6		3
1	Bruner Air Compressor, Shop Motor #349	175	200		100
25	Pt. 2/4" Rubber Hose	8	8		1
76	Concrete Blocks 4" x 8" x 16	10	10		6
100	Tile Brick (No cost)				
23	Screen 5" x 35" (No cost)				
1	Rate photo Print Dryer	24	24		10
3	Developing Trays	12	12		6
1	Kitchen Sink	4	6		3
1	Show Case, 6' x 8' x 1'	30	30		10
25	Steel Folding Chairs	75	115		40
2	Service Tables	8	10		6
1	Meat Cutting Block	30	30		15

BUILDING - #119

Equipment

PLANT - Refining

FRAUDER - Mesa Mall

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>LOT</u>	<u>ORIGINAL</u>	<u>REPLACEMENT</u>	<u>VALUE AS IS</u>
			<u>COST</u>	<u>VALUE (New)</u>	
(Basement)					
2	Bones of Sherbet Glasses		\$30	\$30	\$ 5
1	Clothes Hamper				
1	Set of O.V.B. Scales				
1	5-Gallon Jug				
1	6-Gallon Jar with Spigot				
1	Grate Wash Bowl with hot and cold spigots	20	20	10	
1	Toilet Stool with flush valve	20	20	15	
1	Shower Head	15	20	5	
1	Willow Couch	20	40	10	
1	Willow Chair	6	12	3	
2	Willow Stands	10	20	5	
1	Wall wash bowl	15	24	12	
	Labor of Handling and Installation		<u>5,755</u>	<u>6,451</u>	<u>1,696</u>
	TOTALS		\$29,788	\$30,734	\$9,918
			*****	*****	*****

BPL000000334

BUILDING - #180

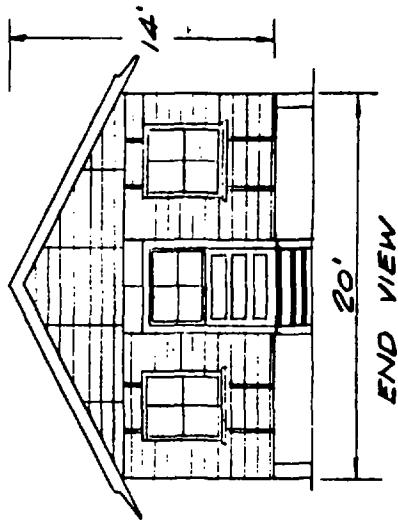
Structure

PLANT: - Refining

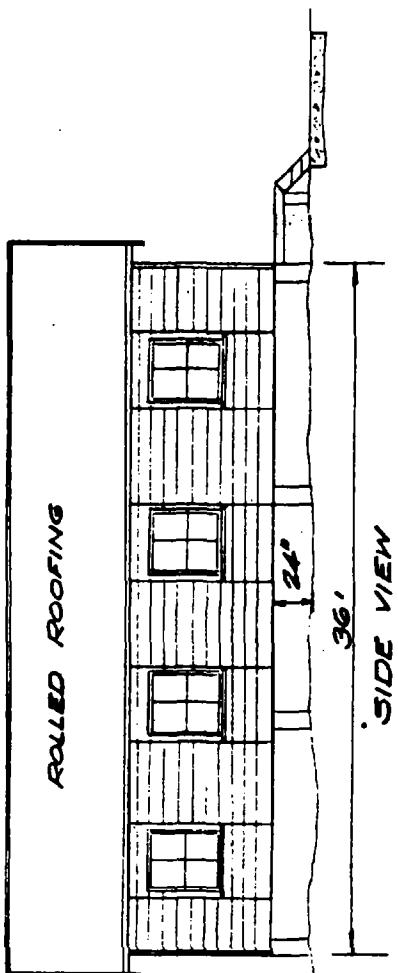
FEATURE: - Lunch Room

GENERAL DESCRIPTION

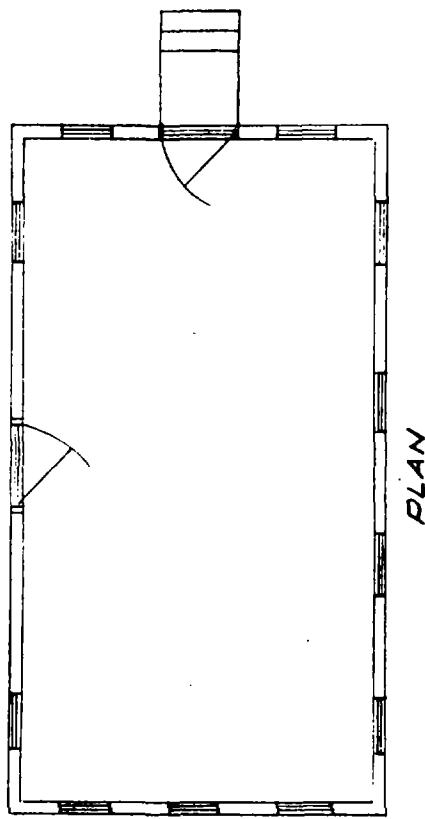
This building was constructed of ready-built wood panels with wood seal and doors erected on a cement block foundation. The roof is of wood panels finished with roofing paper. The building is used for miscellaneous storage of screens, storm windows and testing department materials.



END VIEW



SIDE VIEW



PLAN

LUNCH ROOM
BUILDING NO 120
ALL WOOD FRAME & SIDING
ROLLED ROOFING NAILED IN PLACE

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BUILDING - # 120

Equipment

PLANT: - Refining

FEATURE: - Lunch Room

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT		VALUE AS IS
			(\$)	(\$/NEW)	
4	Steel lockers	\$0	\$0	\$0	\$0
52	Steel cots	\$0	100	80	80
3	Heavy graphite pots, 16" diameter, 18" high (New equipment)	40	45	40	40
	Miscellaneous testing department equipment and material (No value)				
	Labor of Handling and Installation		10	15	10
	TOTALS	\$150	\$165	\$ 75	-----

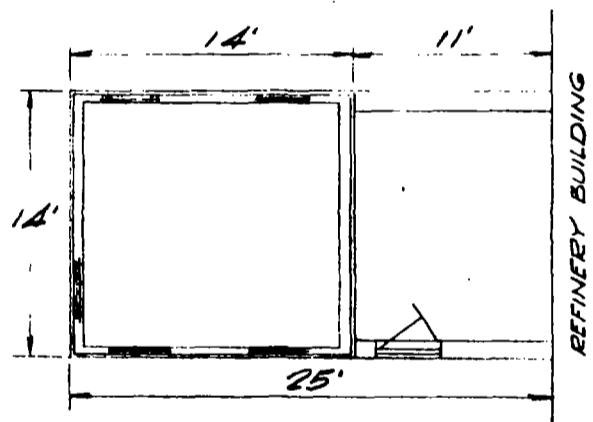
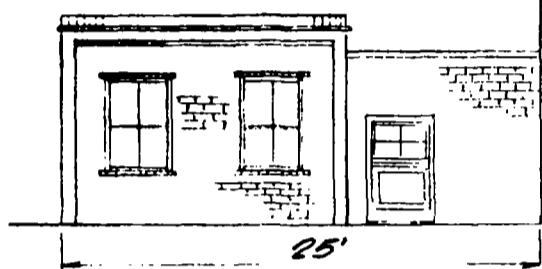
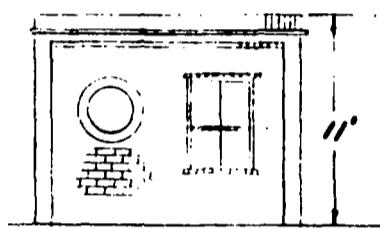
BUILDING: - #121
Structure

PLANT: - Refining
FEATURE: Blast Furnace Laboratory

GENERAL DESCRIPTION

The Blast Furnace Laboratory is a small building just south of the blast furnace building at the south end of the Refinery. It is constructed of brick on concrete foundations with a concrete roof and the usual built-up covering. Sash and doors are of wood.

The building houses the necessary equipment used in preparing test samples for the laboratory and some simple determinations.



REFINERY BUILDING

BLAST FURNACE LABORATORY
BUILDING NO 121
BRICK WALLS - CONCRETE FLOOR
CONCRETE SLAB - COMPOSITION ROOFING

BUILDING - #121

PLANT: - Refining

Equipment

FEATURE: - Blästa/Furnädg.Sample Lab.

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
11	(Blast Furnace Sample Lab.) 50 Gallon Garbage Cans - used	\$ 22	\$ 35	\$ 11
1	Antimonial Lead Mold - single	6	9	5
1	Wooden Bench, top 34" wide, 8 ft. long, 30" high	12	18	6
1	Wooden Bench, top 23" wide, 4'6" long, 30" high	6	9	5
1	Wooden Bench, top 24" wide, 24" long, 30" high	5	10	8
1	Sample Pot Pouring Stand made of steel - Angle and Plates, 24" high, 28" x 18" top	12	25	5
1	Divider, made by Denver Fire Clay Co., for dividing out samples with 3 pans	25	45	12
1	Shovel			
1	Sledge Hammer	5	5	1
1	Broom			
1	Brick setting to hold 2 sample pots fired by 2 gas burners Size of setting 5 ft. long, 30" wide, 12" deep	50	75	20
1	Temperature Recorder - Brown Instrument Recording Pyrometer #305 - 3000°	210	375	100
1	Exhaust Fan, 18" dia. - 6 Blades - Motor #67 - 3 H.P. - 1800 R.P.M.	98	124	45
1	Fume Hood above Sample Furnace 6 ft. long - 30" wide with hinged front 10" stack to roof - 12 ft. long	55	50	20
3	Pot Skimmers - 6" dia. (on handle)	12	15	6
1	Lab. Mixer - Motor #176	55	45	16
1	Telede Dial Scale - Style 54 - 6641 I.L., Serial 720809 Double Scale, 1 - Reading - 75 lbs. The other reading - 54 kilograms	75	125	35
1	Beam Scale - Fairbanks - 60 kilo.	35	50	15
1	Lab Bench Scale - 810 grams	200	300	100
2	100 lb. Sample Pots	10	16	5
2	200 lb. Sample Pots	20	32	10
3	Bread Pans, 10" x 16")			
4	Bread Pans, 15" x 14") Let	15	30	8
9	Bread Pans, 16" x 24")			
1	9 Gun Drop Mold	5	5	2
1	Sample Mold, 8" x 1-1/2"	8	10	5
1	Sample Mold, 10" x 8" with Anaconda in bottom	8	10	-
1	Steel, 2 rubber tired wheel hand truck, Ball Bearing Wheels	25	35	10
	Labor of Handling and Installation	96	144	48
	TOTALS	\$1,000	\$1,560	\$ 470

BUILDING - #122

Structure

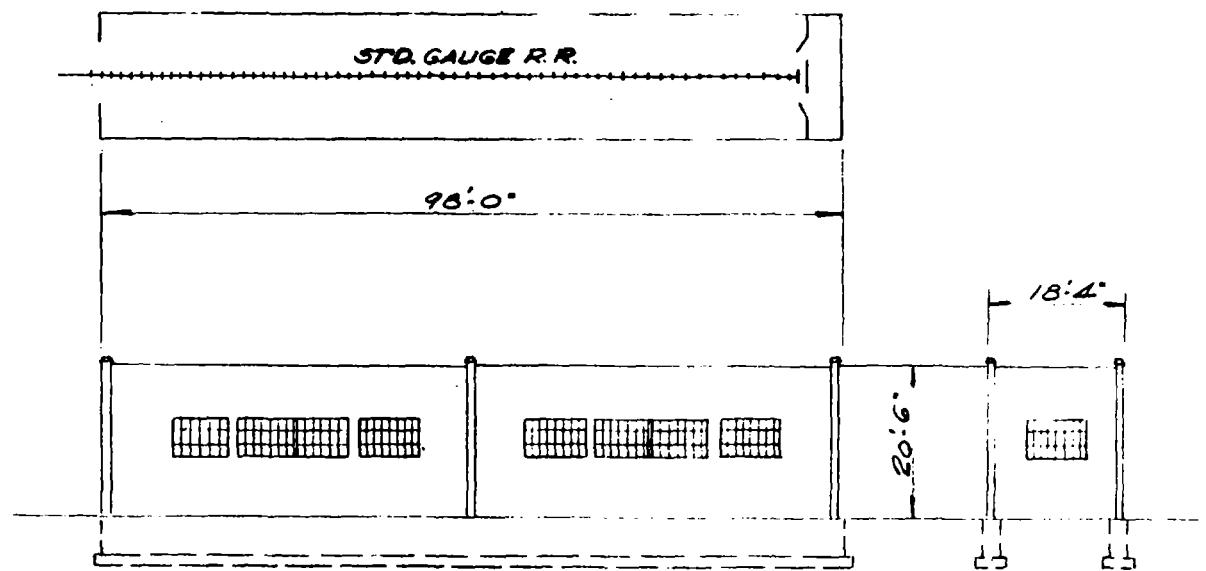
PLANT: - Refining

FEATURE: - Private Car Storage

GENERAL DESCRIPTION

The Car Storage building was constructed to house the Private car "Anaconda" and provide space to store various equipment used with the car.

The building is of brick construction on concrete foundations. The walls end in a parapet of concrete and the roof is of reinforced concrete surfaced with a built up roof, mesh is of steel with steel mesh guards. Doors are all of steel. The building is well lighted and heated with steam. The floor is of crushed rock. An alarm is wired to sound if the mesh is broken or if the doors are opened.



STORAGE HOUSE
BUILDING N^o 122
ANACONDA - PRIVATE CAR
BRICK ON CONCRETE FOUNDATION
STEEL BEAMS - GYP SLABS
4-PLY COMPOSITION ROOFING

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

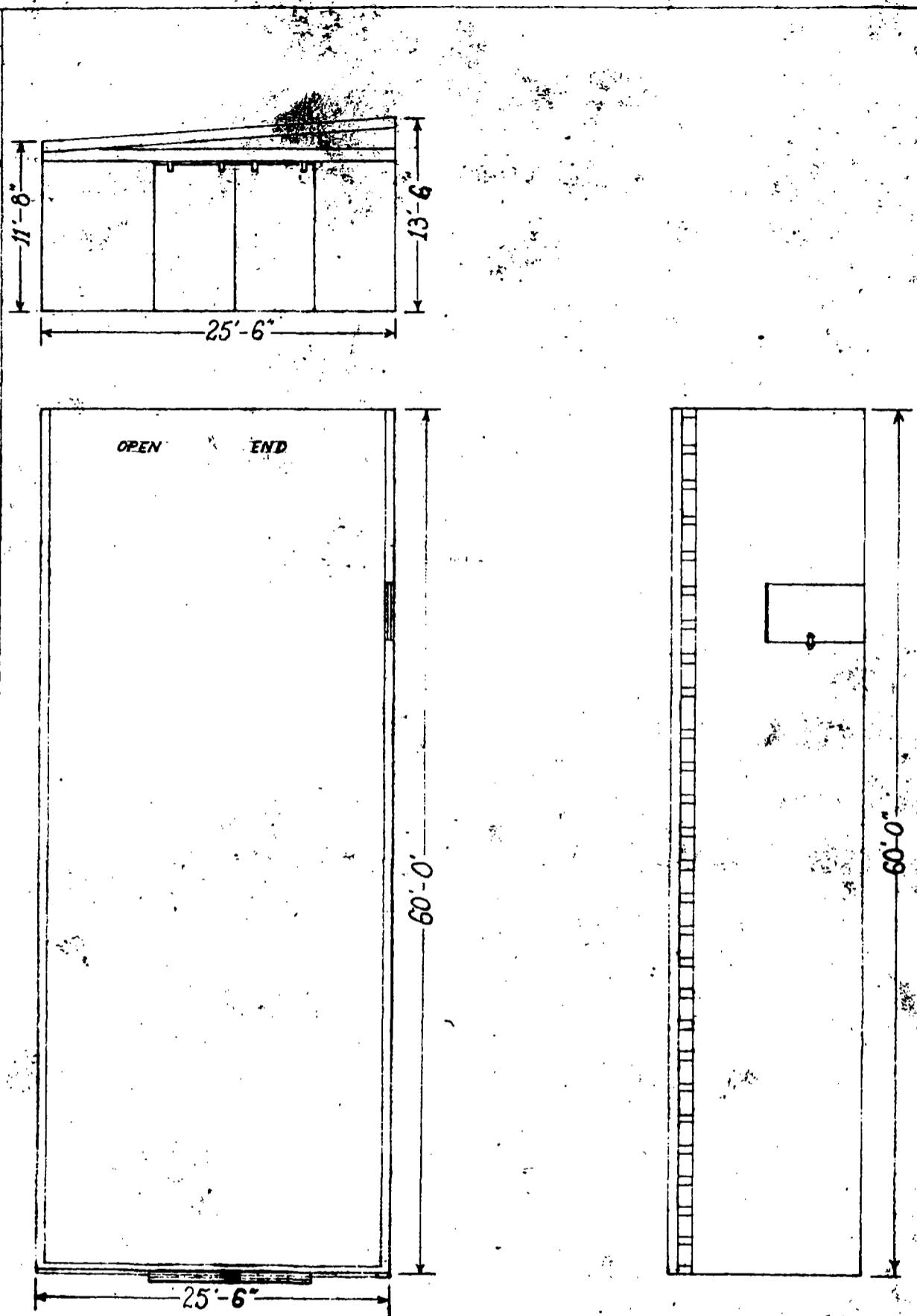
BUILDING - # 132

Equipment

PLANT: - Refining

FEATURE: - "Anaconda Car" Storage

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>		<u>VALUE AS IS</u>
			\$	\$	
1	Motor and generator 41A for charging batteries	120	130	75	
1	Modine Unit Heater Modine Fan and Motor # 106	125	140	40	
1	Heat control thermostat	18	18	6	
1	60 ampere, 5 pole, safety switch	8	18	6	
	Labor of Handling and Installation	<u>25</u>	<u>25</u>	<u>13</u>	
	<u>TOTALS</u>	<u>\$590</u>	<u>\$540</u>	<u>\$140</u>	
		<u>-----</u>	<u>-----</u>	<u>-----</u>	



FUME STORAGE BLDG # 123
WOOD STRUCTURE CORRUGATED IRON ROOF AND SIDING

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO, IND

BPL000000344

INDEX

WATERLEAD DIVISION

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BUILDING - #201

Structure

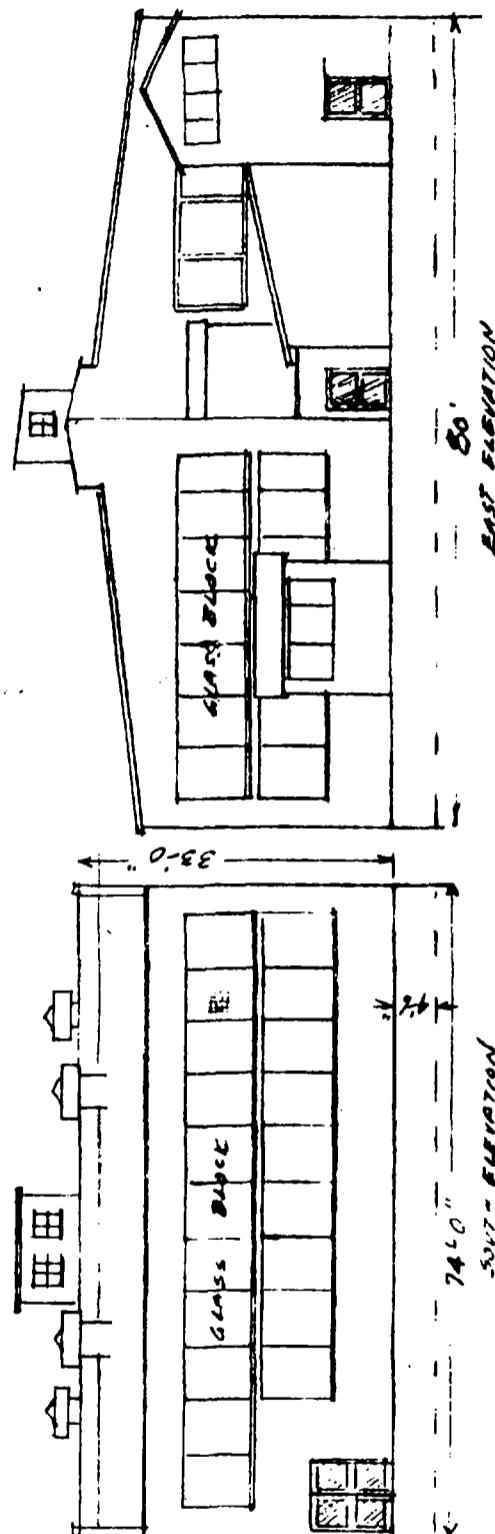
PLANT: - White Lead

FEATURE:- Cell and Tank Room

GENERAL DESCRIPTION

The Cell and Tank Room building was constructed to house the cells and various tanks, thickeners and filters necessary to operate an electrolytic plant. It is built on concrete foundations, with a waterproof floor to conserve chemicals. The superstructure is of steel with brick walls and a plank roof constructed of galvanized lumber covered with one inch of insulation and an asphalt roof. Some such are of steel but most of the light comes from glass brick panels set in the brick-work. The doors are of wood. Excellent ventilation is obtained by stationary ventilators in the roof. The cell floor is of moveable concrete slabs.

The equipment consists of forty-eight cells, an anode washer, suitable cranes, tanks, a thickener, filtrate pump and a Moore filter with supporting launders pipes, etc..

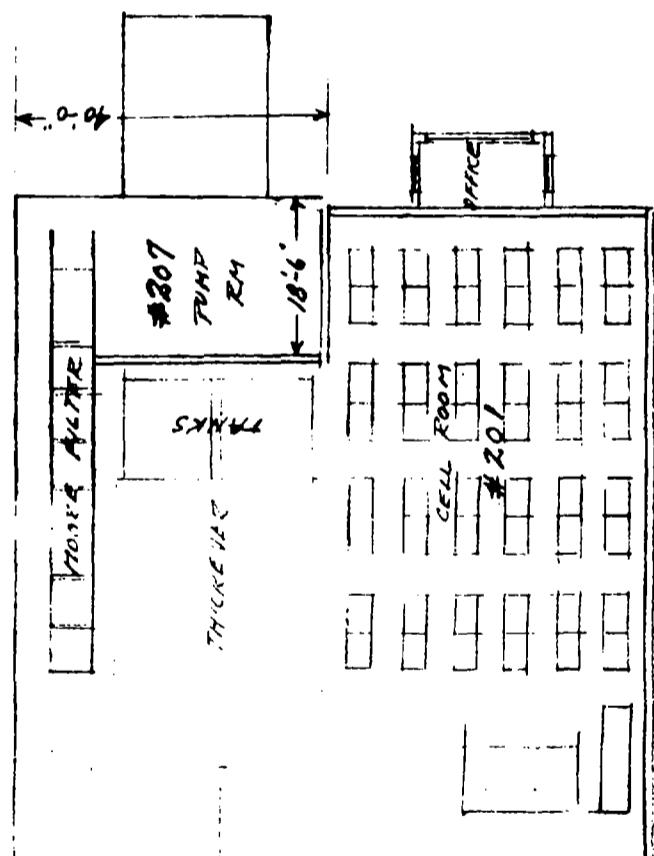


CELL ROOM BLDG # 201

BICK & STEEL ON
CONCRETE FOUNDATION
2" WOLMANIZED PLANK
ROOF DECK 1" CELOTEX
INSULATION BUILT UP ROOF

PUMP ROOM BLDG # 207

CORRUGATED SIDES, WOOD ROOF
ROLLED ROOFING ON DECK



INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO - INDIANA,

BUILDING - 6001

PLANT - White Lead

Equipment

FEATURE - Cell Room

QUANTITY	DESCRIPTION	LOT	ORIGINAL COST	REPLACEMENT VALUE (1957)	VALUE AS IS
200 ft.	12" I Beam on Hoist Trolley		\$1,500	\$3,000	\$1,600
40 ft.	14" I Beam on Hoist Trolley				
40 ft.	18" Channel Steel				
20 ft.	16" Channel Steel				
80 ft.	Cranes Rail				
1	1/2 H. 5-ton capacity Crane, complete with electrical control		8,000	3,000	1,000
800 ft.	3" x 2 Angle Iron Crane Trolley (2,000 lbs.)		120	200	60
1	Support & Miles 4 ton capacity Hoist		3,100	4,000	1,500
1	Syrgus Hoist, 5 ton capacity		2,000	2,000	100
1	Anode Wash Machine, complete with motor and electrical controls		5,500	3,000	2,000
48	White Lead Cells		4,800	5,000	2,000
714 ft.	4 x 1-1/4 Flat Copper, Anode and Cathode Bars		3,700	4,340	1,400
200 ft.	4 x 1/4 Flat Copper Jumper Bars		225	340	110
1,024 ft.	3/8 x 1 Flat Copper Cathode Connections		300	475	150
200 ft.	2000 MM Copper Cable		800	1,200	400
160 ft.	3/8 Trolley Wire		50	45	15
1	Clark 100 amperes, 250 volt, D-C, 3 pole contactor		50	60	30
1	U-RU-LIT Switch, 250 volt, 50 amperes		40	50	10
400 ft.	3" Iron Pipe		400	500	200
120 ft.	2-1/2" Rubber Hose		180	180	60
400 ft.	1-1/4" Rubber Hose		240	300	80
6	Troughs 40 ft. long, 7" high, 6" wide. Rubber lined wood frame		500	600	200
50 ft.	16" I Beam for Crane Trolley, 3200 lbs.		180	300	90
1	Hoist Repair Platform, 7' x 6'		100	150	80
1	Spare Anode Back, 6" x 14", capacity six sets anodes		200	200	100
1	Anode Wash Box, capacity 1 set each		40	50	10
1	Sump Pump, vertical motor, Ge. tag No. 134A		60	75	40

BUILDING - #801

Equipment

PLANT: - White Lead

FEATURE: - Cell Room

QUANTITY	DESCRIPTION	ORIGINAL VALUE	REPLACEMENT VALUE (1957)		VALUE AS IS
			\$	(\$)	
1	Heater and Fan, complete with motor, Gc. Tag No. 1468	\$ 180	\$ 200	\$ 60	
2	Clark Size #1 Starters	24	50	15	
1	60 Amperes, 3 pole, 600 volt Cut Out Switch	18	50	6	
50 ft.	12" x 12" Square Section Trough, rubber lined	180	200	60	
50 ft.	5" Brass Pipe	60	100	40	
70 ft.	1-1/4" Brass Pipes	180	140	60	
40 ft.	1" Brass Pipe	40	50	30	
40 ft.	1" Iron Pipe	8	6	8	
40 ft.	1-1/2" Brass Pipes	70	80	35	
50 ft.	3/4" Iron Pipe	4	6	8	
11	2" Air Diffr	60	65	30	
1	2" Gate Valve, Brass	18	15	8	
1	3" Gate Valve, Brass	16	34	10	
1	Chicago Switch Board Lighting Cabinet 16 circuit, 120 amp, 120-240 volt	60	90	40	
1	Gekko Recording Flow Meter with accessories	270	300	200	
6	Anelite volt graphic meters	1,600	2,000	800	
1	Sangamo Amperes Meter Meter #1444179, 6000 amperes	300	350	50	
1	Sangamo MM meter No. 1450004	175	200	35	
1	Desk	30	50	10	
1	Cabinet, 48" x 34" x 18"	8	6	8	
2	Steel Lockers 72" x 36" x 18"	14	20	6	
1	Table	8	10	4	
3	Chairs	4	6	3	
1	Titration Bench	10	12	4	
1	Glass Top Bench, 34 x 34 x 36	4	6	3	
1	Electric Clock	4	5	3	
180 ft.	5" Hard Rubber Pipe	180	240	60	

BUILDING - #801

PLANT: - White Lead

Equipment

FEATURE: - Cell Room

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
3	Tees Hard Rubber Pipe 3" dia.	\$ 16	\$ 24	\$ 8
21	Crosses Hard Rubber Pipe, 3" dia.	100	210	90
180 ft.	Hard Rubber Pipe 3" dia.	100	180	40
5	Tees Hard Rubber Pipe 2" dia.	5	6	5
21	Crosses Hard Rubber 2" dia.	30	45	15
8	White Lead Filter Baskets, complete	1,500	1,500	500
7	White Lead Concrete Filter Tanks	5,000	4,000	1,500
200 ft.	3" Brass tubing, complete with valves and fittings	800	1,000	400
160 ft.	10" I Beam	LOT 6,000	9,000	4,000
120 ft.	Crane Rail			
1	Hoisting Crane, 10 ton capacity, complete with controls and lifter for filter baskets	6,000	9,000	4,000
1	40 Ampere U-ME-LIT Circuit Breaker	55	45	30
100 ft.	8" Vacuum Hose	150	200	50
2	Poly Bins, lead lined	600	1,000	400
1	Fairbanks Scale, 250 lb. capacity	20	24	10
3	Wood Tanks, 9' x 8'	1,200	1,400	600
3	Bristol Temperature Recorders	210	270	105
1	Steel Tank, 3' dia. x 10' high	400	500	200
1	Wooden Storage Tank, 12' dia. x 10' high	900	1,200	400
1	Dorr Thickener tank complete with agitating arms and worm gear drive driven by Allis-Chalmers 3 HP, 360 RPM Co. tag #128, Coupling to Foots Arms. gear 50 reducer, Type 175, Ratio 50 to 1	6,000	8,000	3,000
15 ft.	Shaft 1-5/8" diameter	18	20	5
1	Pulley 24" dia., 10" face	18	18	2
1	Pulley 10" dia., 4" face	4	6	1
2	Lead Dorr Diaphragm Pumps	240	300	80
2	Slurry Tanks 18 ft. dia., 8 ft. deep	1,800	2,400	800
1	Concrete Tank, 18' dia., 10' high	600	1,000	400

BPL000000350

BUILDING - #801

PLANT - White Lead

Equipment

FEATURE - Cell Room

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (1966)</u>	<u>VALUE AS IS</u>
5	Steel Vacuum Tanks for Filter pumps, 3' dia., 16 ft. high	\$ 625	\$ 750	\$400
8	G.E. 10 HP Compensating Hand Starters	550	625	300
8	LaBoar Pumps, size 15, type NPL	1,200	1,500	600
1	6 Circuit Distribution Cabinet, 3 phase	150	150	50
1	Concrete Tank 18 ft. dia., 8 ft. high	600	1,000	400
1	Concrete Tank Head Lined, 18 ft. dia., 8 ft. high	1,400	1,800	800
1	Roll Copper Heating Coil, 8 ft. dia.	150	200	45
2	Steel Tanks, sand filter, 4' x 4'	100	150	50
1	Motor, 8.5 HP, 1800 RPM, Co. tag #50-A	67	80	40
1	LaBoar Pump, no name plate, 2" intake, 1-1/2" outlet, driven by 7.5 H.P., 1800 RPM, Co. tag #50A	225	300	110
2	Advance Pumps, Co. size 2nh/a, driven by 10 H.P., 1800 RPM, Co. tag Nos. 35-A and 34-A	150	150	70
1	Square Steel Tank 8 ft. sq., 4 ft. deep	10	12	3
1	Round Steel Tank, 3' dia., x 8' high	20	35	5
1	1/4 Ton Spur Gear Chain Hoist	30	40	15
1	5 H.P., 1800 RPM Motor, Co. Tag #104	55	65	30
1	10 H.P., 1800 RPM Motor, Co. Tag #424	65	80	35
1	8.5 H.P., 1800 RPM Motor, Co. Tag #424	67	80	40
1	7.5 H.P., 1800 RPM Motor, Co. Tag #54	90	110	50
1	Unit Heater, 1/4 H.P., 1800 RPM, 3 phase, Co. Tag No. 158	125	150	50
1	Mancha Gas Electric Incentive	5,300	7,000	5,300

BUILDING - #801

Equipment

PLANT - White Lead

FEATURE - Betta Storage Tanks

QUANTITY	DESCRIPTION	LOT	REPLACEMENT	VALUE AS IS
			ORIGINAL COST	
1	Betta Solution Storage Tank, 10' high x 10' dia., 5" thickness (wood)	LOT	\$2,970	\$3,000
1	Betta solution storage tank, 10' high x 10' dia., 5" thickness (wood)			
	Tanks complete with concrete foundations covered with S D & Z and Roofing paper			
1	Steel Stairway, 20" wide, 28 steps high, complete with hand rail			

BUILDING - #201

Equipment

PLANT - White Lead

FEATURE - Mastic Shed

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL COST	VALUE (1967)	
1	(Pitch Kettle) Pitch Kettle, inside diameter 30" x 12" deep setting on round Fire-brick fur- nace, complete with 1-1/2" gas burner and steel cover and building	\$500	\$400	\$300
1	(Settling Kettle) 150 Ton Cast Iron Settling Kettle with 6" overflow rim and corrugated sheet steel cover (Scrap)			1,000

BPL000000353

BUILDING - #801

Structure

PLANT - White Lead

FEATURE - Cell Room Acetic Acid Tank

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL COST	VALUE (NEW)	
1	Acetic Acid Tank 18" diameter, 10' high, 5" staves Tank is headed and has a flooded top with snakehole. Built on concrete foundation with pan beneath tank and sump to catch spillage.	\$1,000	\$2,000	\$800
	Total cost tank, foundation, piping, etc.			
	Labor of Handling and Installation	6,000	15,000	3,000
	TOTALS	\$74,000	\$304,000	\$38,000

BUILDING - 4208

Structure

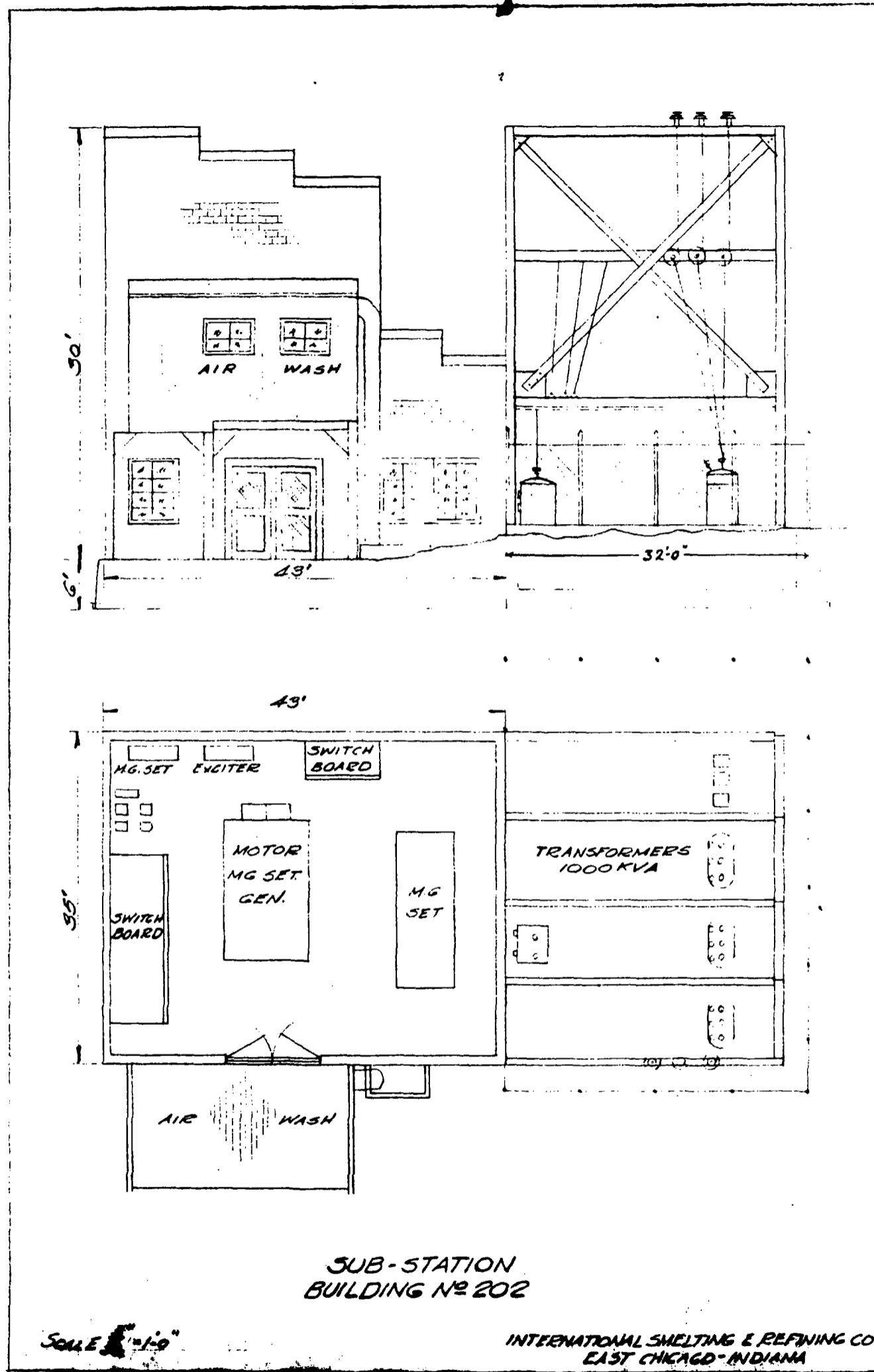
PLANT - White Lead

FEATURE - Sub-Station

GENERAL DESCRIPTION

The Sub-Station was constructed to handle and distribute electric power to the plants. The building rests on a concrete foundation with a concrete floor, is constructed of steel and brick with a concrete slab roof finished with an asphalt roof. Each arc of steel and the down of wood. The power drive fans in the side walls provide part of the ventilation. An air washer is built on the west side of the structure and furnishes washed air to the pits beneath the generators. A transformer yard is a part of the Sub-Station and is constructed to the south of the sub-station building.

The equipment consists of transformers, switch panels for distribution of alternating current to the Refining and Oxide plants and motor generator sets automatically controlled for the generation and distribution of direct current to the cell room.



BPL000000356

BUILDING - #808

Equipment

PAINT: - White Lead

FEATURE: - Sub-Station

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE		VALUE AS IS
			(NEW)	AS IS	
1	Sirocco Blower Fan, No. 29382, Name plate rusted, Approximately 30" dia., 36" wide, 36" intake, 18" x 24" square exhaust, 36" three groove V belt pulley 36" three groove V belt pulley on motor. Driven by 5 H.P., 1800 RPM, 440 Volts, complete with belt, Co. tag #78-A	\$ 190	\$ 260	\$ 90	
1	Air Hatch - 64" wide, 54" high, 12 ft. long, no name plate	300	400	150	
1	Circulating Water Pump, no name plate 36" intake, 36" exhaust connected by 2 H.P., 1800 R.P.M., 440 Volts, Co. tag no. 78-A	125	180	65	
4	Overhead Light Fixtures	60	100	40	
1	Westinghouse M.G. Set, consisting of) 750 H.P., 2200 Volts, Synchronous } motor, Co. tag #160-A } 2 6. Generators, 200 K.V., 200 amperes,) 125 Volts, Co. tag #181-A, 180-A, oil } direct couple on one bench } Westinghouse Generator (Exciter) No 21) 125 Volts, 150 amperes, Co. tag #180-A,) Direct Couple to Westinghouse 50 H.P.,) 2,000 Volts, Co. tag # A-187) Westinghouse 15 to 50 H.P., 2200 volt) Hand Motor.) Switch board for generator set,) complete with control and protective) devices.	18,000	\$1,000	15,000	
1	M.G. Set, 575 KW, consisting of one 1800 Volt Synchronous Motor, 2200 volt Co. tag 160-A	19,000	44,000	15,000	
1	Continuous Current Generator, 575 KW, Co. tag 161-A				
1	Continuous Current Generator, 575 KW, Co. tag #160-A				
1	Switch Board, complete with protective, starting and operating devices				
1	Sectional Switch Board, 8' x 90", four cell switch breaker, three recording L.V.D. meters, three indicating volt meter, eight overload Relays, two 60 ampere G-E-L-T switches, three indicating amperes meters, one 150 ampere G-E-L-T switch				

BUILDING - #808
Equipment

PLANT - White Lead
PLANT - Sub-Station

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (\$100)	VALUE ADDED
1	D.C. Hoist Generator, 25 K.W., 200 L.M. volts, C.R. tag #23-A, driven by one 25 H.P., 1450 R.P.M., 440 volt, C.R. tag #24-A complete with starting and operating switch board	\$1,725	\$3,000	\$1,000
1	Section Switch Board 1 $\frac{1}{2}$ " x 90", Power Factor Meter, Frequency meter and one hour demand meter			
1	12" Ventilating Fan, C.R. tag #26-A	50	75	25
1	12" Ventilating Fan, C.R. tag #27-A	50	100	50
17	Pulse Air Break Disconnectors	425	500	200
6	No Pulse Air Break Disconnectors	150	210	75
14	Schmidauer & Geared High Potential Pulse 7500 Volts, 200 amperes	70	90	20
150 ft.	.750 K.O.M. Cable	150	185	75
50 ft.	.500 K.O.M. Cable	50	75	25
1200 ft.	1/4 x 3" Flat Copper Bus Bars	450	500	250
16	Bus Bar Insulations	60	80	20
7	Overhead Lights	125	140	60
8	Current Transformer	240	400	120
4	Potential Transformers	180	200	40
1	Wadsworth Switch Box 575 V.A.C., 50 H.P.	10	15	5
1	C.E. K.W.H. Meter	50	60	10
6	C.E. CR7006, D.M., Magnetic Switches	60	84	24
1	Square D, 100 amperes, 250 volt Safety Switches	10	15	5
1	Burglar Alarm system switch, relay and transformer and horn	55	50	15
1	Work Bench	30	25	10
1	Bench Vice	10	12	5
1	Book	30	30	10
18	Assortment of Commutator Resurfacing Stones	160	180	100
215 ft.	1/4 x 5" Flat Copper Bus Bars	200	270	100
32 ft.	1/4 x 4" Flat Copper Bus Bars	34	32	12

BUILDING - #502

PLANT - White Lead

Equipment

FEATURE - Sub-station

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (ITEM)	VALUE AS IS
76 ft.	Cyclone Fencing, 60" high	\$ 114	\$ 320	\$ 40
1	Gate, 6 ft. wide	15	35	5
170 ft.	1-1/4" Iron Pipe and miscellaneous fittings	125	170	40
2	48 ft. 6" x 4" "I" beams	LOT	250	125
180 ft.	48" x 6" "I" beams miscellaneous lengths			
200 ft.	6" x 8" x 1/4" Angle Iron			
100 ft.	1/2" Copper Pipe	107	175	25
100 ft.	1" Copper Pipe			
35	10,000 Volt Insulators	25L	250	100
30	8,000 Volt Insulators	210	225	105
140 ft.	8/4 Bare Copper Cable	70	80	35
50 ft.	750 M.C.H. Copper Cable	50	45	25
40 ft.	800 M.C.H. Copper Cable	57	55	14
12	1/2" Cable Connectors	25	30	12
12	1" Cable Connectors	25	30	12
3	500 KVA, 11000/2300 Transformers No. 1961, No. 1962, No. 1963 property of Northern Indiana			
3	500 KVA, 11000/2300 Transformers No. 2804, No. 2807, No. 2808 Northern Indiana property			
3	2500/450 Transformers, 100 KVA	1,475	1,725	800
1	50 KVA 2500/230 - 110 Transformers	275	350	150
60 ft.	.750 M.C.H. Copper Cable	50	75	35
75 ft.	8/4" x 1" Flat Copper Ground Bus	10	15	5
10	Porcelain Wall Bushings	15	20	7
1	3" Service Entrance Head	15	15	5
20 ft.	30" Ventilation Pipe 90 degree Elbow, 30" diameter	LOT	200	45
1	American Air Filter, complete with electrical controls	1,000	1,200	500
Labor of Handling and Installation		2,270	19,450	5,070
TOTAL		\$55,415	\$97,300	\$38,910

BUILDING - #303

Structure

PLANT: - White Lead

FEATURE: - Boiler House

GENERAL DESCRIPTION

The Boiler House was built to house the boilers for the production of steam for heating and process work and to produce CO₂ for use in carbonating solutions at the White Lead Plant.

The building is constructed in two parts. The old section is built of wood and corrugated iron on a concrete slab with a corrugated roof. The new section is built of brick and steel on concrete foundations with a concrete tile roof finished with a built-up asphalt roof. Both are of steel and doors are fire proof metal clad construction.

The building houses five boilers, each of which has its separate stack. Boiler feed water pumps are also housed in the building.

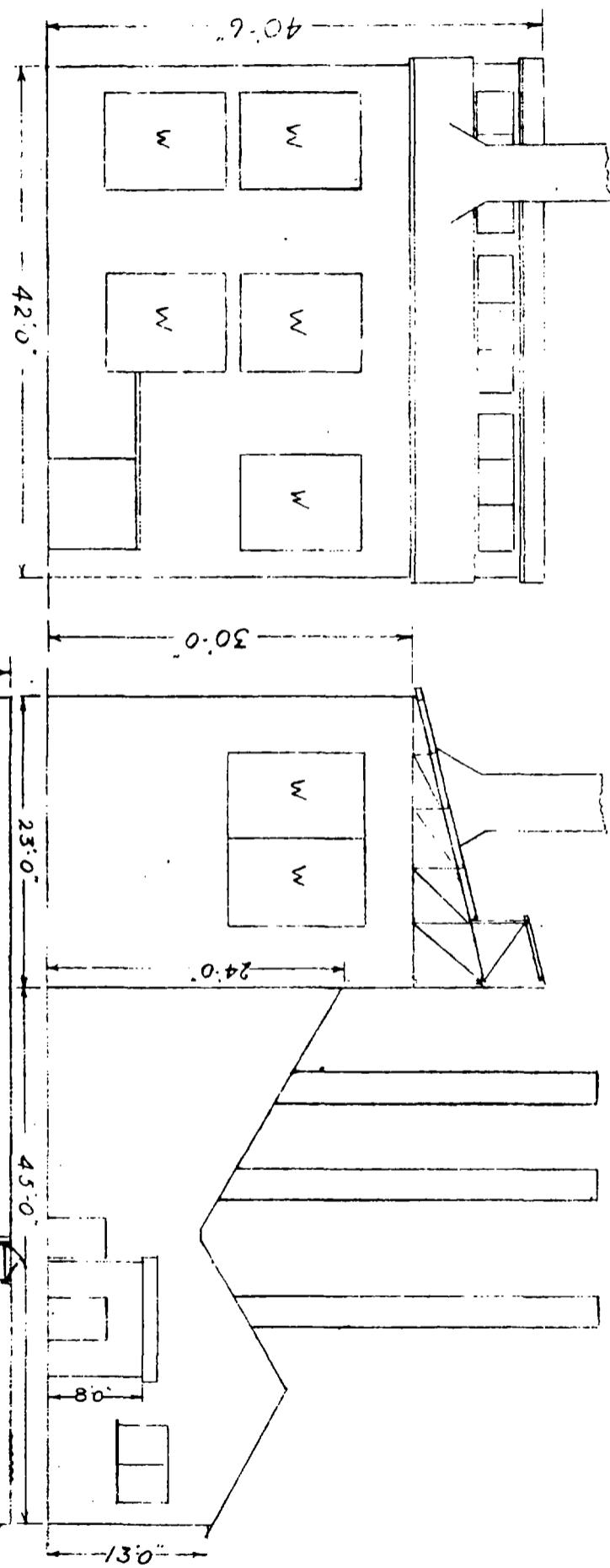
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INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO, INDIANA

BOLIER HOUSE BUILDING 203

CONCRETE FLOORS

BRICK STEEL AND CORR. IRON



BPL00000361

BUILDING - #203

PLANT - White Lead

Equipment

FEATURE - Boiler Room

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (\$1951)	VALUE AS IS
1	Stirling Steam Boiler complete with steam stoker	\$14,000	\$18,000	\$7,000
1	American Blower Air Draft, Shop Motor No. 161-A, intake 10", 10 HP, 1150 RPM, discharge 36" x 30"	110	130	75
1	Link Belt Elevator used to convey coal up to hopper, Shop Motor No. 68-A, 1/4 HP, 1150 RPM	840	850	75
1	Kennecott Steam Boiler fed by hand, locomotive type, 15 HP, length 18 ft., width 8'2"	600	800	250
1	Kennecott Steam Boiler, locomotive type, 60 HP, fed by Iron Fireman, length 18 ft., width 4'2"	1,600	1,800	500
	1 HP, 1800 RPM, Shop Motor #113	41	50	20
	1/2 HP, 1800 RPM, Shop Motor #155-A	51	55	15
1	Kennecott Steam Boiler, locomotive type, 60 HP, fired by hand, length 18 ft., width 4'2"	1,800	1,800	500
1	Kennecott Steam Boiler, locomotive type, fed by Iron Fireman Stoker, 150 HP,	5,000	7,000	2,000
1	1 HP, 1800 RPM, Shop Motor #170-A	1,300	1,400	500
1	1-1/2 HP, 3600 RPM, Shop Motor #175-A	155	185	100
1	Worthington Steam Water Pump, water intake 4", discharge 3", steam intake 3/4", discharge 1-1/4"	550	450	200
1	General Steam Water Pump, water intake 3", discharge 2-1/2", steam intake 3/4", discharge 1-1/4"	300	400	100
1	American Steam Water Pump, water intake 3", discharge 1-1/4", steam intake 1/2", discharge 3/4"	75	100	50
1	Small Blower Fan used for extra draft under grates of No. 5 boiler, Shop Motor No. 171-A, 1 HP, 1800 RPM	60	75	30
1	Medine Steam Heater, Shop Motor #325, 1-1/2 HP, 1800 RPM	125	140	50
1	Exhaust Water Heating Tank, length 6 ft. diameter 5 ft.	40	50	15
1	Galvanized Water Heater, height 5 ft. diameter 18".	50	75	20
1	Electric Clock	4	6	2

BUILDING - #803

PLANT: - White Lead

Equipment

FEATURE: - Boiler Room

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL COST	VALUE (NEW)	
3	Wheelbarrows used for wheeling out clinkers and wheeling in coal	\$.50	\$.50	\$ 10
1	18 ft. Ladder	4	6	8
1	10 ft. Ladder	4	5	8
1	Length of 8" Fire Hose	40	50	20
8	Kerosene Lanterns	2	3	1
	Miscellaneous piping bender, etc.	500	500	500
	Labor of Handling and Installation	<u>8.000</u>	<u>8.000</u>	<u>1,000</u>
	TOTAL	\$52,500	\$48,445	\$15,810

BPL000000363

BUILDING - #804

Structure

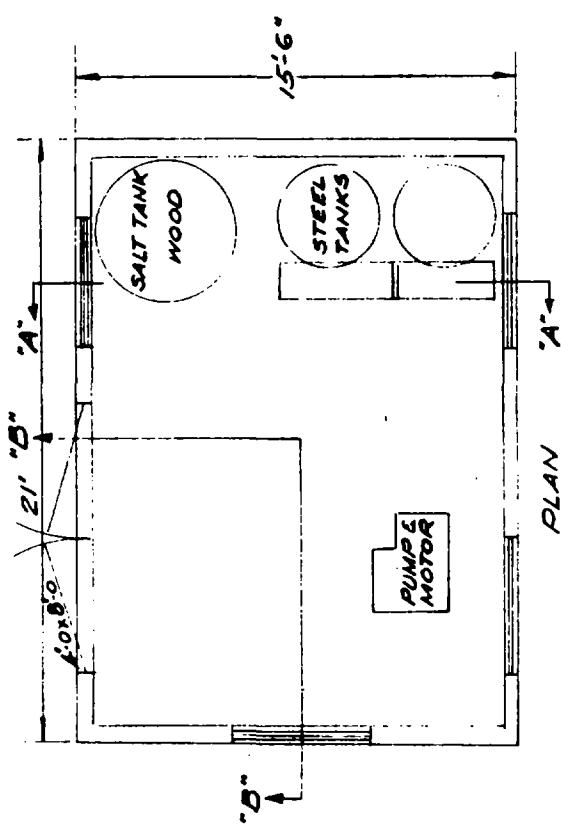
PLANT: - White Lead

FEATURE: - Water Softener

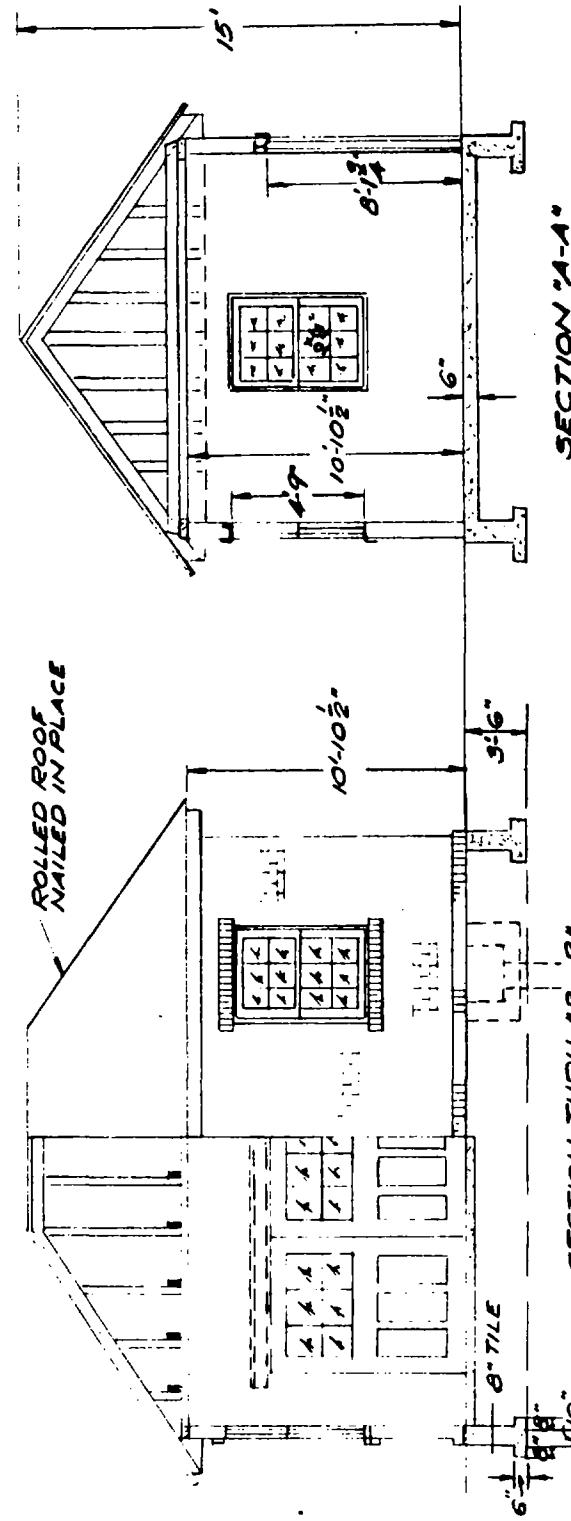
GENERAL DESCRIPTION

The Water Softener Building was constructed to house the Penmetit Water Softener which furnishes softened water to the boilers. It is constructed of brick on concrete foundations and floor with a wood roof finished with building paper. Sash are of steel, doors of wood.

The equipment consists of the necessary tanks, etc. to support a penmetit system, a steam-water still for furnishing the laboratories with distilled water and a motor driven triplex booster pump for use as a booster on the 6" main in case of low city water pressure.



PLAN
"A-A"



SECTION "A-A"

SECTION THRU "B-B"

WATER SOFTENER
& PUMP ROOM
BUILDING NO 204
BRICK SIDES - CONCRETE FLOOR
WOOD ROOF STRUCTURE

INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO - INDIANA

BPL000000365

BUILDING - #204

PLANT - White Lead

Equipment

FEATURE - Water Softener

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)		VALUE AS IS
			ITEM	ITEM	
1	Complete Payntit Company Water Softener, vertical double unit	\$1,800	\$1,800	\$1,800	\$1,800
1	Worthington Water Pump #UEA14, 20 HP, 1750 RPM	400	325	325	300
6	Bags of Salt	20	25	25	10
2	Spokes Water Spills	60	75	75	50
1	Distilled Water Tank, diameter 21", height 45"	8	10	10	4
1	180 ft. 1" Steam Coil	50	40	40	10
2	Full drums of Linseed Oil, 50 gals.)	120	100	100	125
1	1/2 drum of Linseed Oil, 25 gals.)				
1	Salt Pill Dispenser	2	5	5	1
1	Bristol Pressure Recording Gauge	40	30	30	15
1	Crane Porcelain Drinking Fountain attached to 2" pipe pedestal	8	10	10	4
1	Wooden high back table used for the solution bottles for testing the water width 24", height 30", length 8 ft.	6	10	10	2
2	Water Line Key Wrenches made from 1-1/4" pipe	2	5	5	1
4	Cast Iron Fittings on Water Pump, 4" flanged Elbs	LOT	60	60	20
2	4" Flanged Bns				
3	4" Flanged Gate Valves				
1	4" Double Arctic Water Meters				
1	4" Crane Check Valve				
Labor of Handling and Installation			200	539	175
TOTAL		\$2,845	\$4,050	\$1,700	

BUILDING - #205

Structure

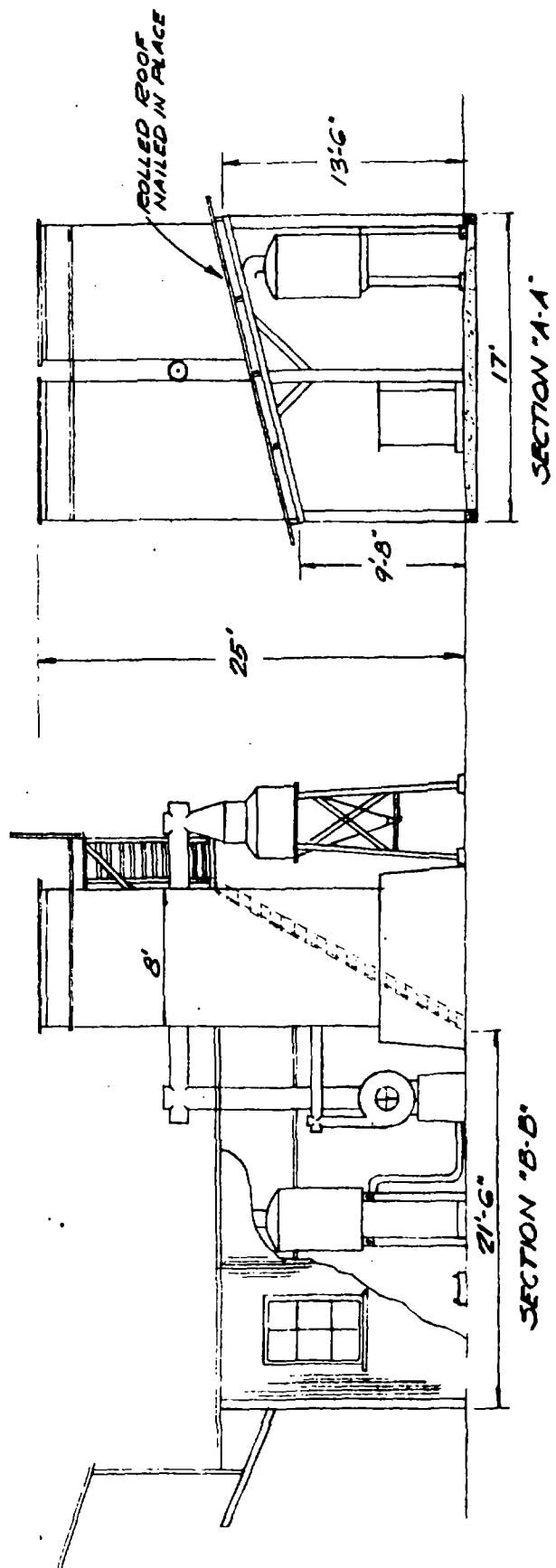
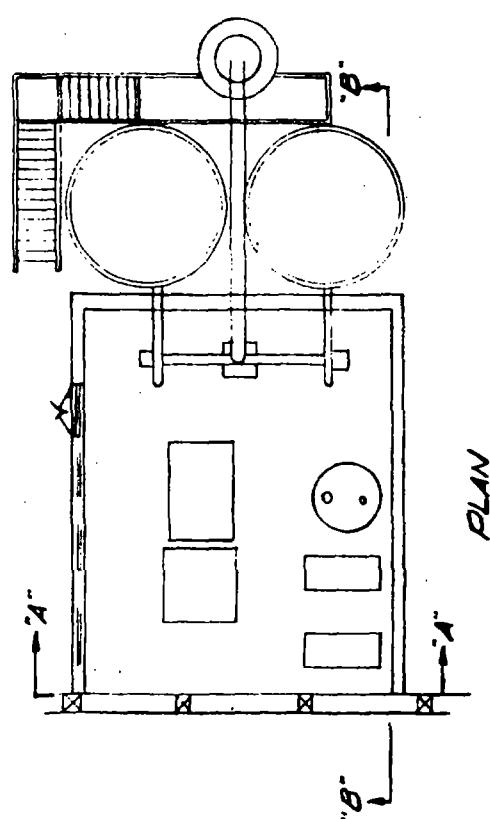
PLANT - White Lead

FEATURE - Carbonating Tower

GENERAL DESCRIPTION

The Carbonating Towers, while not a building, consist of two circular tanks constructed on concrete foundations some six feet above the ground. Around the tanks are constructed stairs and platforms to facilitate their operation. The tanks are filled with junk electrical porcelain, and solution is over-pumped while gases are blown up from the bottom to carbonate the liquid.

Equipment consists of gas filters, blowers and pumps.



CARBONATION TOWERS
BUILDING NO 205
WOOD FRAME - CORRUGATED IRON SIDING
ROLLED ROOF NAILED IN PLACE -
CONCRETE FLOOR

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BPL000000368

BUILDING - #305

PLANT - White Lead

Equipment

FEATURE - Carbinating Tower

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (MIN)	VALUE AS IS
2	C.G.B Buffalo Blower Co. Gas Pumps)	\$ 200	\$ 200	\$ 100
1	Motor Shop No. 110-A, 15 HP, 3450 RPM)			
1	Motor, Shop No. 50-A, 10 to 15 HP, 3450 RPM)			
)			
1	Cathalyte Filter Height 44" Width 44" Length 48"	100	200	80
1	Weir Box used as overflow for Cathalyte Height 48" Width 34" Length 17"	20	40	20
2	Carbinating Towers Diameter 8 ft. Height 30 ft.	8,200	8,000	3,500
1	High Pressure Air Tank Height 8 ft. Diameter 4 ft.	200	300	100
1	Gas Filter Iron Constructed Double Section Width 5 ft. Length 6'6" Height 6 ft.	200	700	350
1	Gas Filter Brick Constructed Height 4'8" Length 6 ft. (included in above price)			
	Labor of Handling and Installation	750	950	415
	<u>TOTALS</u>	<u>\$8,040</u>	<u>\$10,450</u>	<u>\$4,845</u>

BUILDING - # 204

Structure

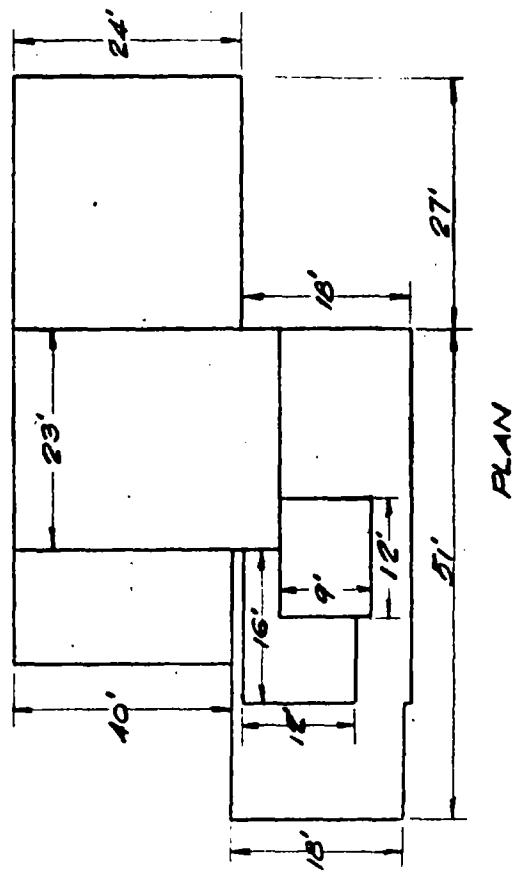
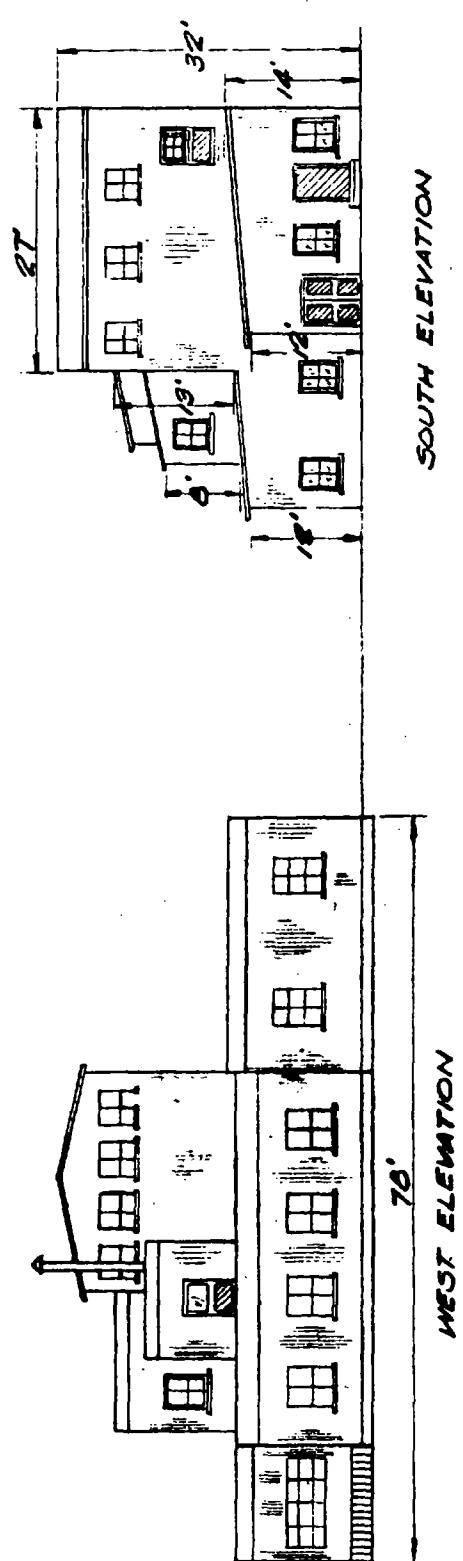
PLANT: - White Lead

FEATURE: - Sulphate & Pump Room

GENERAL DESCRIPTION

The Sulphate and Pump Room to the West of the Cell and Tank Building are two separate buildings. The Pump room is constructed of wood and corrugated iron on concrete foundations. It has a wood roof with wood ceiling joist and is topped with roofing paper. This building houses certain tanks and pumps for the circulation of a portion of the cell room solutions. It also houses the control panel for the anode wash machine. A portion of the floor is concrete, the rest of wood.

The Sulphate Room is partly of brick and steel and partly of corrugated iron and wood. The building is constructed on concrete foundations with a concrete floor. The roof is of wood with wood joists supported on steel and is covered with roofing paper. This building houses the Sulphate Plant consisting of lead lined tanks, a filter, dryer and packing plant for the production of lead sulphate. A small storeroom is adjacent. Both are mostly wood with wood doors. One portion of this building is open to the pump room described above.



**SULPHATE BUILDING
BUILDING NO 206**
CORRUGATED SIDING - ROLLED ROOFING
NAILED IN PLACE - WOOD FRAME - CONCRETE
GROUND FLOOR - WOOD SECOND FLOOR

INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO - INDIANA

BPL000000371

BUILDING - # 306

Equipment

PLANT - White Lead

FEATURE - Sulphate & Pump Room

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u> \$	<u>REPLACEMENT</u>		<u>VALUE AS IS</u> \$
			<u>VALUE (NEW)</u> \$	<u> </u>	
NO	Feet 20" copper ventilating pipe	50	70		25
1	Trombola, 20 HP 5 pole 600 volt safety switch	25	30		10
2	A - B - magnetic starters 3 phase 440 volts size 1	25	30		10
1	Clark magnetic starter 3 phase 440 volts size 2	25	30		10
1	Box for catholite filters 56" x 48" x 48"	8	10		2
1	Four leaf catholite filter, 3 way brass valve 1-1/2" diameter	15	20		8
60	Feet brass pipe 1-1/2"	100	120		50
10	Feet 1-1/2" vacuum pipe	5	6		3
1	Wooden box mastic lined 48" x 48" x 48"	8	10		2
2	6" brass valves	400	500		200
2	8" brass valves	500	700		300
3	6" long sweep ell's brass	125	150		40
1	8" x 6" long sweep reducer ell	50	60		25
1	6" brass tee	35	40		15
3	4" cast iron valves	60	75		30
4	5" cast iron valves	60	80		30
2	4" cast iron tees	4	5		2
2	4" cast iron ell's	2	4		1
7	5" cast iron tees	4	5		2
60	Feet 3" cast iron pipe	40	60		20
1	Home made soda ash feeder, driven by 1/4 HP 110 volt motor Co. tag No. 280	150	300		70
1	Eight circuit 3-phase power distribution cabinet	110	125		50
1	Aurora pump # 14403, G.P.M. 200-275 size 3P Including motor 7-1/2 HP 1800 RPM	517	900		400
1	1/4 HP vertical sump pump 110 volt motor, Co. tag # 283	35	45		15
2	Concrete tanks beneath floor West pump room	400	600		100
1	Aurora vertical pump, driven by 3 HP 1800 RPM 440 volt motor tag # 704	155	200		75

BPL000000372

BUILDING - # 806

PLANT: - White Lead

Equipment

FEATURE: - Sulphate & Pump Room

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Anode lifting hooks	250	300	125
1	No. 1 anolite pump, Worthington centrifugal pump class 08, No. 672465 8" intake and outlet driven by 40 HP 1800 RPM 440 volt Co. tag # 45A	750	1,500	375
1	50 HP Fairbanks Morse compensating starter	150	200	75
1	Centrifugal pump No. 2 same as No. 1 No name plate, 40 HP 1800 RPM Co. tag 44A	750	1,500	375
1	40 HP G.E. compensating hand starter	150	200	75
1	No. 3 catholite LaBeur centrifugal pump size 55W type DPL 20 HP 1800 RPM motor tag # 59A	400	500	300
1	Fairbanks Morse compensating hand starter 5 to 10 HP	100	125	40
1	No. 6 centrifugal pump size 55W, type DPL	400	500	300
1	Fairbanks Morse 20 HP 1800 RPM 125A hand starter 20 HP	200	240	120
35	Feet 6" brass pipe	140	245	70
1	LaBeur, size 1-1/2", type M.M., driven by 5.5 HP 1800 RPM, Co. tag # 62A	500	500	100
1	Ten circuit Chicago switch board Light cabinet	75	80	50
1	Small Deming acid pump size 2, driven by Alliance 1.5 HP Co. tag # 186 B	50	60	50
1	LaBeur pump, No name plate, driven by 5 HP, 900 RPM Co. tag # 3	100	125	50
1	Small caustic Deming pump, size 2, driven by 1/2 HP 1800 RPM Alliance motor, Co. tag # 184 B	50	40	15
1	Clark starter size 3	60	70	50
1	Blanchard disintegrator, No name plate complete with feed and conveyor screw steam radiator heater on intake. Driven by 20 HP 900 RPM Co. tag # 25, including 20 HP G.E. hand starter (old)	500	800	200
1	Master gear head motor, 3 HP 1800 RPM Co. tag 198 A	140	160	80
1	Conveyer screw with variable speed sprocket	60	100	40
1	Wooden sulphate bin lead lined	500	400	150
1	G.E. 1/2 HP 900 RPM motor, driving disintegrator feeder, Co. tag # 187A	45	50	50

BUILDING - # 204

Equipment

PLANT - White Lead

FEATURES - Sulphate & Pump Room

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT</u>		<u>VALUE AS IS</u>
			<u>VALUE (1950)</u>	<u>ITEM</u>	
2	Clark size 1 starters	\$5	\$0		15
1	Syntex vibrator VDO 15 Complete with controls New equipment	145	150		80
1	Steam unit heater, complete with fan motor Co. tag # 36A	100	170		60
1	Steel tank approximately 45" diameter, 8' high	80	100		50
1	Steel tank open on top 33" diameter, 44" high	50	55		10
1	Small Fairbanks Morse table scale 100 capacity	500	50		10
1	Ideal vacuum cleaner, complete with hose, bag and tank, motor is 1 HP 110 volt	120	250		50
1	Buffalo blower with 5 HP 1800 RPM Co. tag # 85	67	80		40
1	Small brass caustic acid pump, 1/3 HP single phase, Co. tag # 169	120	150		60
1	Excelsior (Foster) pump, size 4 Driven by 5 HP 1800 RPM Co. tag # 15B Coupled to Foster Brothers, gear reducer type 17B Ratio 17 - 1 Complete with drive chain and sprocket	570	500		100
1	Trunable 50 ampere, 3 pole safety switch and Clark size two starter	55	70		35
1	Work bench	12	18		5
1	Large pipe vise	8	12		5
1	Large bench vise 6" jaw	12	18		5
1	100 ampere safety switch, 3 pole	35	45		20
2	60 ampere safety switch, 3 pole	60	70		25
1	60 ampere safety switch with Clark size 2 starter	65	75		40
1	Braece with shaker control, complete with 1/4 HP single phase motor, Co. tag # 17A	1,200	1,800		500
1	I - G reversing starter				
1	Automatic temperature control Co. timer, serial No. 176, 110 volts, 60 cycle				
1	Chain elevator approximately 20' long, driven by 3 HP 900 RPM Co. tag # 186B Complete with gears	240	300		120
4	Sulphate drier cars	500	540		100
1	Foster & Swarts drier with circulating fan, motor 3 HP 1800 RPM Co. tag # B 78	45,000	4,000		1,500

BUILDING - # 204

Equipment

PLANT - White Lead

FEATURE - Sulphate & Pump Room

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (MM)	VALUE AS IS
1	Exhaust fan in drier, motor 1-1/2 HP 1800 RPM Co. tag # 225	100	150	50
1	Complete set forms for making white lead cells	800	1,000	200
1	Excalator Rotary pump, GPM 25, 75 RPM pressure 100 lbs, driven by 1-1/2 HP 1800 RPM back gear motor, Co. tag # 74	150	175	90
1	P & H monorail hoist, originally 4 ton capacity converted to 5 ton	8,000	8,000	500
1	Iron sulphate bin, lead lined	500	500	150
1	Sulphate wash tank	50	40	20
2	Square steel rubber lined mixing tanks 4' x 4' x 18' (War material)	500	1,800	500
1	Vacuum tank 24" diameter 4' high	60	75	50
1	Warner electric contactor, 50 amperes 50 Volts AC, 2 pole	50	50	15
Labor of Handling and Installation		<u>3,774</u>	<u>8,847</u>	<u>650</u>
TOTALS		\$22,645	\$33,340	\$19,860

BUILDING - # 107

Structure

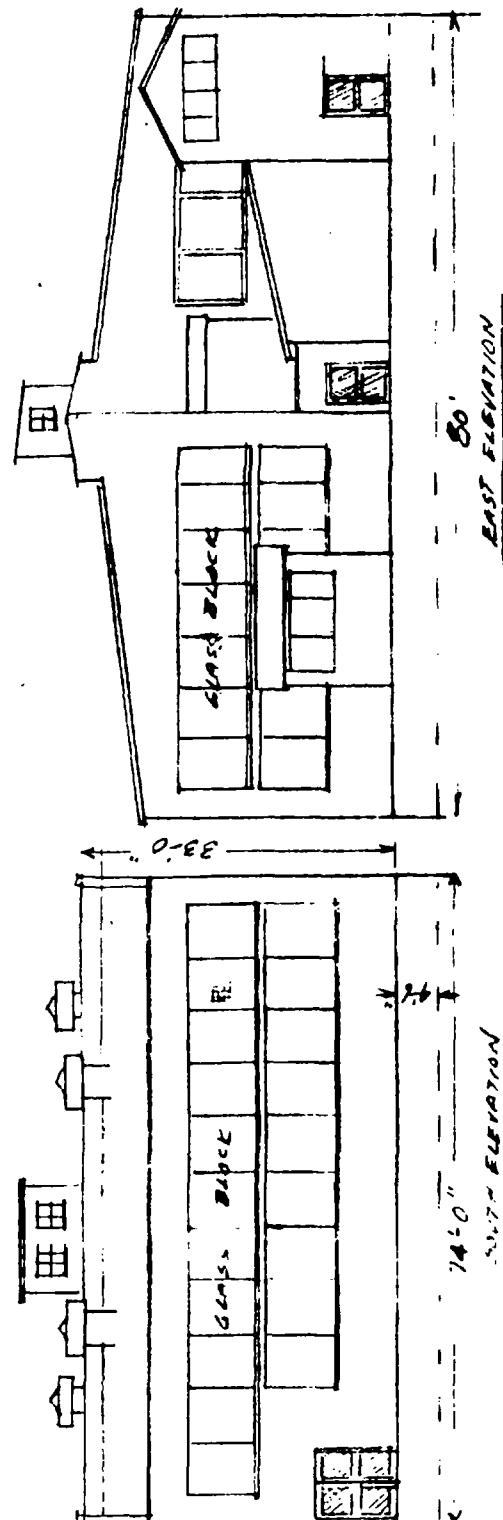
PLANT - White Lead

NATURE - Pump Room

GENERAL DESCRIPTION

The General Pump room adjacent to the cell and tank room houses various apparatus to support the various operations of the cell and tank room. It is of corrugated iron on wood construction with a wood roof. It is built on concrete foundations with a concrete floor. Sash and doors are of wood.

The equipment consists of interchangers for the cooling or heating of solutions, vacuum pumps for the filters, an air compressor, various circulating pumps etc.

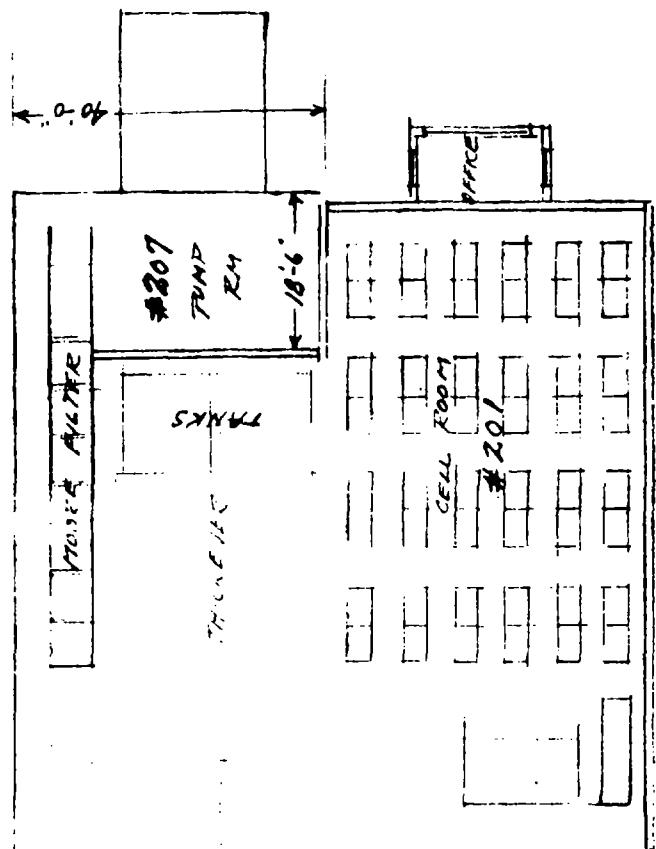


CELL ROOM BLDG # 201

**DECK & STEEL ON
CONCRETE FOUNDATION
2" WOLMANIZED PLANK
ROOF DECK 1" CELOTEX
INSULATION BUILT UP ROOF**

PUMP ROOM BLDG #207

CORRUGATED SIDES, WOOD ROOF
ROLLED ROOFING ON DECK



INTERNATIONAL SHIELDING & REFINING CO.
EAST CHICAGO - INDIANA,

BUILDING - # 207

Equipment

PLANT - White Lead

DEPARTMENT - Pump Room

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Mristol temperature recorder	100	135	40
2	# 5, # 4 Anelite pumps bronze No name plate 15 HP 1800 RPM Co. tag # 52A - 16A	1,500 800	5,000 950	750 400
5	Pittsburg water meters, (3) 2" diameter (1) 1-1/2" diameter, (1) 1" diameter (lot)	160	180	80
1	Ingersoll-Rand, class E.R.I. Air compressor 18" x 8" (vacuum pump) 50 HP 900 RPM Co. tag # 52A	900 250	1,500 300	400 125
1	Ingersoll-Rand, class D.R.I. Air compressor (vacuum pump) 50 HP 1800 RPM Co. tag # 11A	1,000 350	1,500 350	600 150
4	Compensating hand starters 40 HP	400	500	100
1	Ingersoll-Rand, air compressor E.R.I. 8" x 8" cylinder, No. 2001B, driven by 50HP 1800 RPM Co. tag No. 154A	400 300	600 250	300 100
1	Clark size 8 starter	25	30	15
1	Clark size 2 resistance starter	60	100	40
1	Clark pressure control	60	75	50
5	60 ampera I.T.E. circuit breakers enclosed in steel cabinet	180	165	65
3	Fairbanks Morse hand compensating starter, 50 HP	400	450	200
1	G. R. Hand compensating starter 50 HP	60	75	30
1	Distribution fuse cabinet, 6 circuit	15	15	6
1	Gas fan Buffalo, 4 IR sizes, Driven by 10/12 HP 3400 RPM tag # 50A. 15HP 3400 RPM tag # 110A	200 140	300 170	180 70
1	Connareville blower BPR - 1.65 cubic ft. order No. 5671 Driven by motor 50 HP 1800 RPM Co. tag # 49	500 300	350 240	100 100
2	Excelser rotary pump, size 4, 200PM 100 lbs. pressure, 75 RPM Driven by Alliance 10 HP, 1800 RPM motor Co. tag # 102A	100 250	120 210	80 120
1	10 Circuit, 440 volt power distribution cabinet	185	150	65
1	Barrel shaker and packer, driven by motor 3 HP 1800 RPM Co. tag # 116	200	300	100

BUILDING - # 207

PLANT - White Lead

Equipment

FEATURE - Pump Room

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Fairbanks Morse, floor scale, size platform 42" x 30" Capacity 1000 lbs.	40	60	30
1	Sundt No. 1 starters	25	50	10
10	Feet 1-1/2" lime shaft	8	10	4
1	Clutch	10	20	6
1	V - belt pulley, six grooves, 14" diameter			
1	V - belt pulley, six grooves, 4" diameter	40	50	30
1	Flat pulley, 6" diameter, 6" face	3	4	1
2	Chain sprockets, 6" diameter			
25	Foot roller chain # 30	20	40	15
1	Condensate return pump, consists of Chicago pump, size 2-1/2", automatic float switch condensation tank 46" diameter x 20" long. Driven by G.E. 3 HP 2800 RPM motor tag # 1004	120	150	60
1	100 ampere cut-out safety switch	100	120	40
1	50 ampere cut-out safety switch	50	60	30
3	Clark No. 1 starters	35	45	15
1	Clark No. 2 starters	35	55	8
1	1500 Watt Hot plate	20	30	8
1	Patterson mixer tank 5' diameter, 6' high cone shaped bottom 4", tapered to 18" round opening, lead lined, complete with unit power agitator. Rochester motor rating 25 - 1, 10 HP 1200 RPM Co. tag # A-116	2,000	4,000	11,500 -
1	Patterson storage tank, 5' diameter 6' high tapered to 18" round opening, lead lined.			
1	Acid tank, hemispherical, 10" diameter 30" length	12	18	8
2	2-1/2" brass gate valves	120	180	65
1	2" brass gate valve	12	15	8
2	3" brass gate valves	48	72	30
3	Roper lead pumps	100	150	30
1	Emulsifier rotary pump size 4	50	65	10
1	G.E. motor 10 HP 3600 RPM Co. tag # A-123	170	200	85
1	G.E. motor 7-1/2 HP 3600 RPM Co. tag # A-127	140	170	70
	Labor of Handling and Installation	2,500	4,415	455
	TOTAL	\$18,000	\$22,085	\$6,500

BUILDING - #808

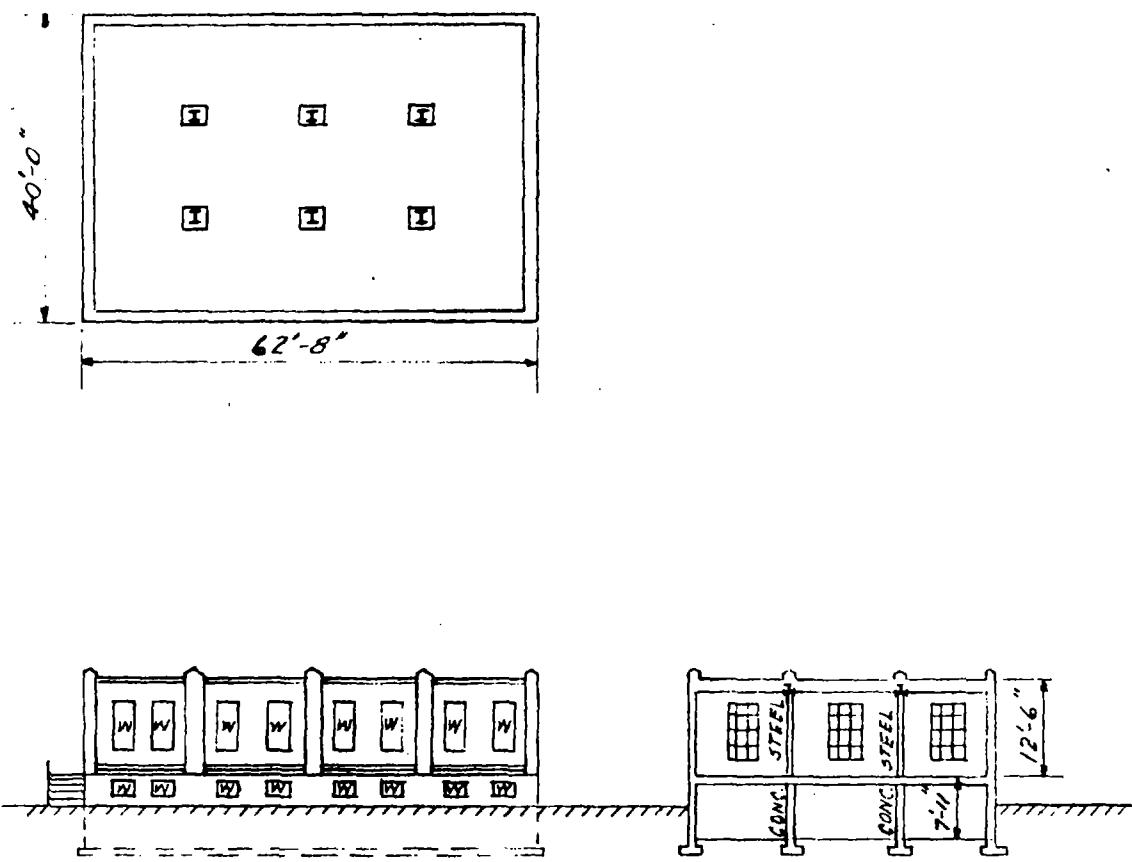
PLANT: - White Lead

Structure

FEATURE: - Change House

GENERAL DESCRIPTION

The Change House was constructed to provide change facilities for the White Lead Plant. During the war, additional plant change house facilities were urgently needed, so an additional change house was constructed in the basement of this building. This building is one of the best in the plant. It is built of brick and concrete construction on concrete foundations with a poured-in-place concrete slab roof finished with a built-up roof. The building is now basement and first floor, but is constructed for an additional story. Windows are of steel, doors of wood. First floor is of Johns Manville mastic troweled in place, basement of painted concrete. Lockers with adequate showers, wash stand and toilet facilities are provided. The building is ventilated and houses water tanks using steam for heating the water. A vacuum heating system provides heat.



WHITE LEAD-CHANGE HOUSE
BUILDING NO 208
CONCRETE & BRICK - STEEL BEAMS IN ROOF
2 PLY ASBESTOS ROOFING

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA.

BUILDING - 5005

Equipment

PLANT: - White Lead

FEATURE: - Change House

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (EST)	VALUE AS IS
5	Bentley Wash Bowls equipped with 1 soap dispensers each	\$1,000	\$1,200	400
4	Bentley 5 unit showers equipped with 1 soap dispensers each	1,400	1,600	700
1	4 ft. Shop Litter	4	6	2
1	Wooden Dowel Back	2	3	1
145	New Standard Single Lockers	1,015	1,200	800
4	Armature Boxes	6	8	2
1	Box	4	6	2
11	Varnished Leather Benches	70	110	50
6	Dinner Tables 5' x 30" linoleum covered	18	24	6
10	Curtain for Shower Bath	8	10	4
8	Toilets with flush valves	160	200	40
11	Locker benches 17 x 18, various lengths	20	30	5
1	Screw Bucket with wingnut rails	2	3	2
1	Urinal Wash Sink 18 x 18 x 34	16	20	8
4	Pair of Rubber Boots	6	8	5
1	Set of Steel Shelves 7' x 3' x 9"	12	15	5
1	Large Porcelain covered wash bowl in basement change house, supported by legs - width 25", length 35", height 30"	16	25	8
112	Single Lockers old ones	224	750	100
1	Jennings Vacuum Pump, Shop Motor N.O. 151A, 1 H.P.; 1750 RPM	150	175	50
1	Buffalo Ventilation Fan, intake 16", exhaust 12" x 16, shop motor #75-A 1-1/2 HP	75	125	40
1	Hot Water Tank used for supply tank in change house. 36" dia., length 8'6"	190	275	80
1	Showery Bath Compartment, height 7 ft., width 34", depth 34"	40	50	20
1	Urinal Wash Bowl with hot and cold water with 1 soap dispenser	16	20	8
13	Wooden-Straight Back Chairs	36	50	10
	Labor of Handling and Installation	461	592	214
	TOTALS	\$5,055	\$6,525	\$2,340

BUILDING - #209

Structure

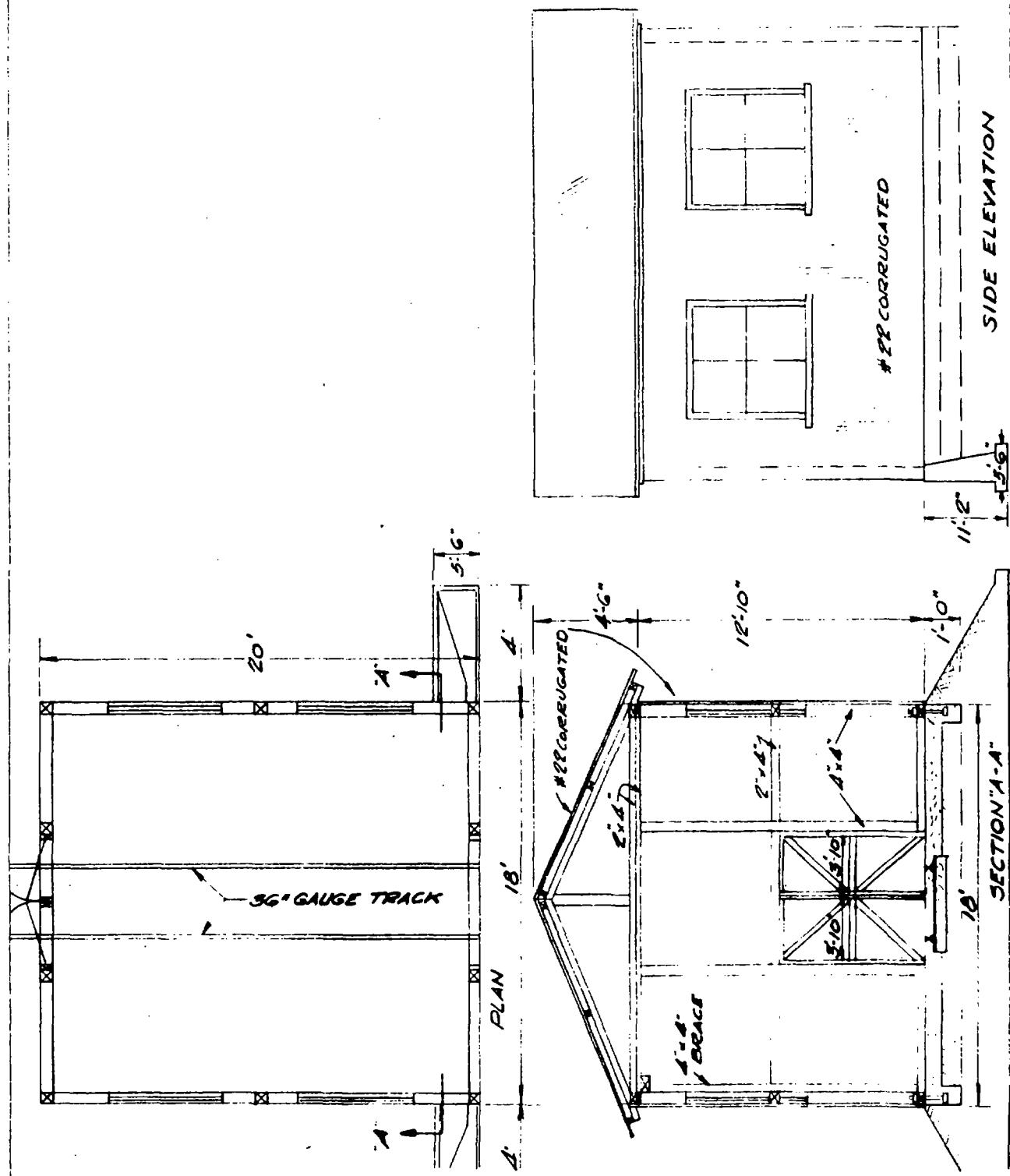
PLANT: - White Lead

FUNCTION: - Frame Shop

GENERAL DESCRIPTION

The Frame Shop was built to construct and repair catholyte frames for the cell room. It is of corrugated iron and wood construction on a concrete slab. Sash and doors are of wood. Roof is of corrugated iron.

The building houses a rubber press, drill press, vulcanizing cylinder and miscellaneous cutting tables and benches. It is insulated and heated.



FRAME SHOP
BUILDING NO 209
CORRUGATED IRON ROOF & SIDING
WOOD FRAME - CONCRETE FLOOR

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BPL000000384

BUILDING: - #307

PLANT: - White Lead

Equipment

FEATURE: - Frame Shop

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (1947)	VALUE AS IS
1	Junior Drill Press			
1	Motor, Shop #100-A	\$150	\$150	\$50
1	Steam Vulcanizing Machine vulcanizing surface 9" x 54"	150	150	50
1	Columbian 5" Bench Vice	8	12	4
1	Block and Becket Bench Grinder	40	40	20
1	Motor, Shop #107-A			
1	Alligator Bolt Cutter	15	20	7
1	6" Slipper Bolt Lacer			
1	Electric Pistol Grip Drill, Motor, Shop #74-A	50	40	10
1	Breast Drill	5	4	1
1	Water Pump used on Vulcanizing Press, Motor, Shop #842	50	50	10
1	Electric Hot Plates, 8" top surface	5	10	2
1	Iron Top Table used as jig for rebuilding cell frames	8	10	4
1	Sink with wall brackets	15	15	6
1	Hydraulic Pressure Pump used on steam vulcanizer	15	20	9
3	Square feet of Diaphragm Gasket	4	5	2
1	Hand Saw	2	3	1
1	Craftsman Socket Wrench Set	10	15	8
1	Iron Table used as jig for ripping frames, height 56", width 52", length 45"	8	10	4
1	Lead Lined Acid Container height 36", diameter 18"	8	10	4
1	110 ft. Steam Coil, 5/8" pipe	50	40	10
1	Work Bench (With tool drawer filled) with files, hammer, back saw and other tools	50	50	10
1	Small cubby hole filled with tools	6	10	3
21	Spare Cell Frames	270	515	125
3	Steel Clothes Lockers	10	24	5
1	Filing Cabinet for Books-containing frame construction, etc.. About 20 yards of frame lining	15	20	6
2	12 Qt. Galvanized Pails	2	4	1

BUREAU - 400

Equipment

PLANT - White Lead

FEATURE - Dyane Shop

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (REV)	VALUE ADJ.
1	Work Bench with tin top wired for cutting timber	\$ 6	\$ 10	\$ 8
1	Pair Bolt Cutters	6	6	5
3	New Anode Brushes	18	18	9
1	Box #3 Clipper Bolt Lassings	LOT	4	2
1	Box #2 Clipper Bolt Lassings			
1	Box #4 Clipper Bolt Lassings			
18	Pigtail holes for various repairs for cell frames	LOT	4	2
	Labor of Handling and Installation	<u>80</u>	<u>110</u>	<u>77</u>
	TOTALS	\$865	\$1,335	\$460
		<u>-----</u>	<u>-----</u>	<u>-----</u>

BPL000000386

BUILDING - #211

Structure

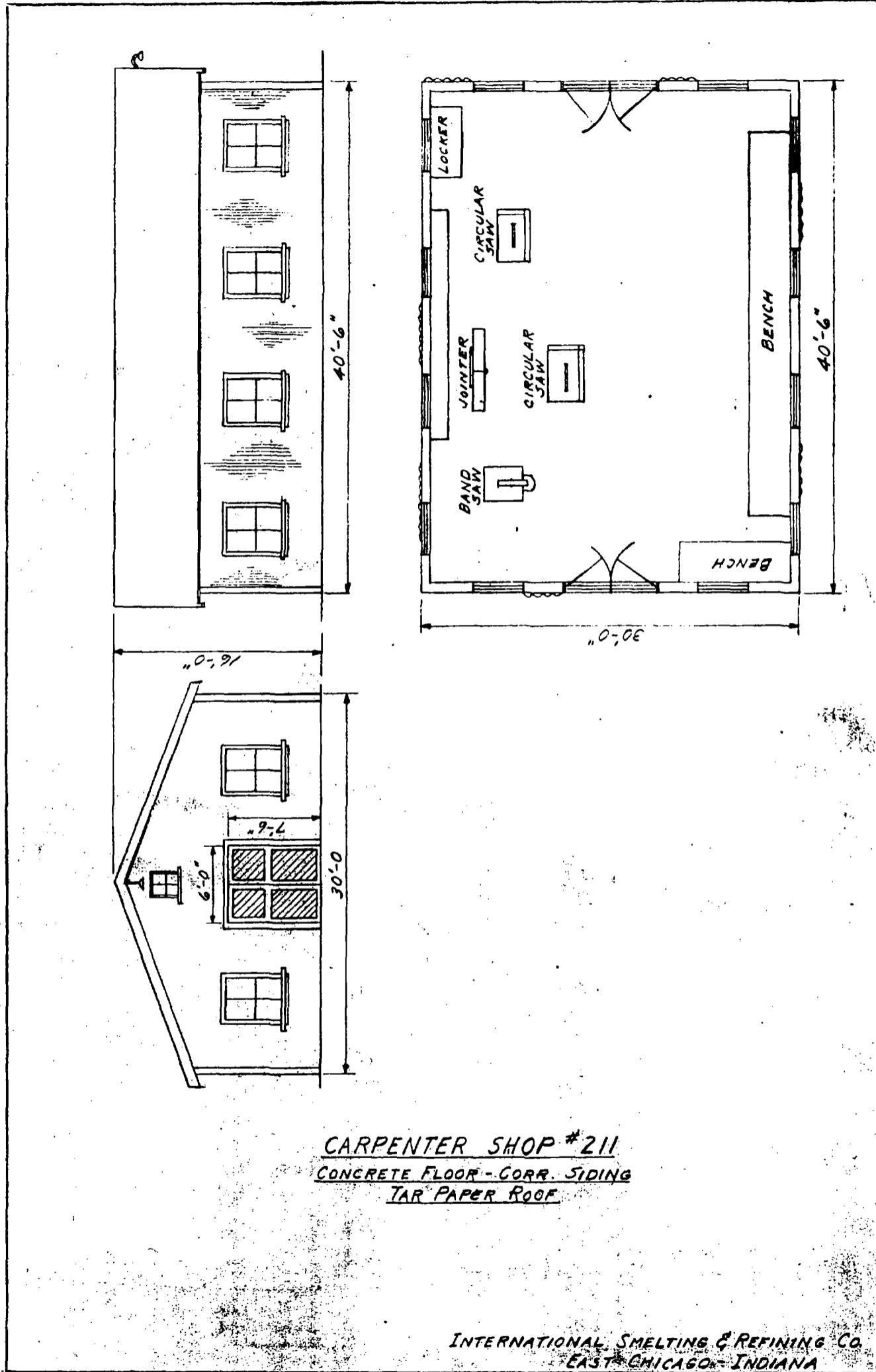
PLANT: - White Lead

FEATURE: - Carpenter Shop

GENERAL DESCRIPTION

The Carpenter Shop provides machinery and space to handle the necessary carpenter and mill work for the plants. The building is constructed of corrugated iron on wood throughout on a concrete slab. It is lined with beaver board and heated with steam heat.

The equipment consists of a band saw, two circular saws, a planer, a skill saw with permanent mounting, a bench drill press and a grinder with benches, racks and cupboards for general storage.



BPL000000388

BUILDERS - Fall

PLANT: - White Lead

Equipment

FEATURE: - Carpenter Shop

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
2	Work Benches, 10' x 32"	\$ 50	\$ 50	\$ 10
1	Work Bench, 14' x 32"	15	25	5
1	Hand Vise, 4" jaw	8	12	4
1	Stanley mitre box and saw	30	45	15
1	Drill press, Kennedy-type #34, driven by 1/2 H.P. single phase, 110/220 volts, Co. tag #178	140	75	20
1	Crocker-Wheeler motor, 1-1/2 H.P., 2400 RPM, Co. Tag No. 544 - new	60	60	60
1	10" Band Saw Driven by Westinghouse 5 H.P., 1800 RPM, Co. tag No. 185	265	565	150
1	Fay-Wegan Table Saw, No. 500, built-in motor, 8 H.P., 3600 RPM, Co. tag #1024	295	485	150
1	6" Jointer driven by 5 H.P., 2400 RPM, Co. tag No. 187	160	275	85
1	Lindahl Table Saw No. 1 driven by 2 H.P., 1800 RPM, Co. tag #10-A	85	125	40
1	Skilsaw, Co. tag #184-A	50	75	30
1	Duntley Electric Grinder, 440 Volt, 3 phase, 1800 R.P.M., Co. tag #71	10	20	6
1	O.E. VR, 700E Magnetic Starter	10	15	5
3	Clark No. 1 Magnetic Starters	30	45	15
1	60 ampere, 3 pole, Galt Safety Switch	6	10	3
1	Square D, 3 pole, 60 ampere Safety Switch	6	10	3
11	Circle Saws	60	110	50
7	Band Saws	100	140	50
1	Glo Deck	20	30	5
2	Steel Lockers, 15" x 15" x 60"	14	18	5
1	Theo Electric Universal Drill (screw driver), Co. tag #184B	40	60	50
1	20 ft. Extension Ladder	10	15	6
2	"5" Clamps, 10" gap	18	18	6
1	Wooden Tool Cabinet, 6' x 7-1/2" x 24"	-	-	-

INVENTORY - ~~SELL~~
Equipment

PLANT: - White Lead
FEATURE: - Carpenter Shop

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (MM)	VALUE AS IS
3	6 ft. Lengths Richard & Wilcox Deer LOT Trolley	\$ 50	\$ 42	\$ 15
3	6 ft. Lengths Richard & Wilcox Deer Trolley			
3	80-1/2" Richard & Wilcox Trolley Deer LOT Wheels	4	6	3
2	80-1/2" Richard & Wilcox Trolley Deer Wheels			
60 lbs.	No. 1A Flat Head Wood Screws	8	10	6
1	Carpenter's Bench Vice	10	12	6
2	Gallon Safety Gas Can	2	5	1
1	50 Gallon Truck Can	2	5	1
1	No. A Favorite Ratchet Wrench 5/8" to 3/4"	LOT	35	10
1	No. B Favorite Ratchet Wrench 7/8" to 1"			
1	Hollison Differential Draft Gauge	10	12	1
2	Jumbo Nail Pullers No. 1-1/2	2	5	1
1	Porter 1/4" Bolt Cutter	2	10	3
1	15" Heavy Pattern End-nippers	4	6	2
1	6 lb. Sledge Hammer	2	5	1
1	Rigid 14" Pipe Wrench	2	5	1
1	Caplink Gun	2	5	1
1	Hessburg Socket Set, 2 handles, 20 Sockets	12	18	6
	Labor of Handling and Installation	221	500	60
	TOTAL	\$1,695	\$3,975	\$650

BUILDING - #318

Structure

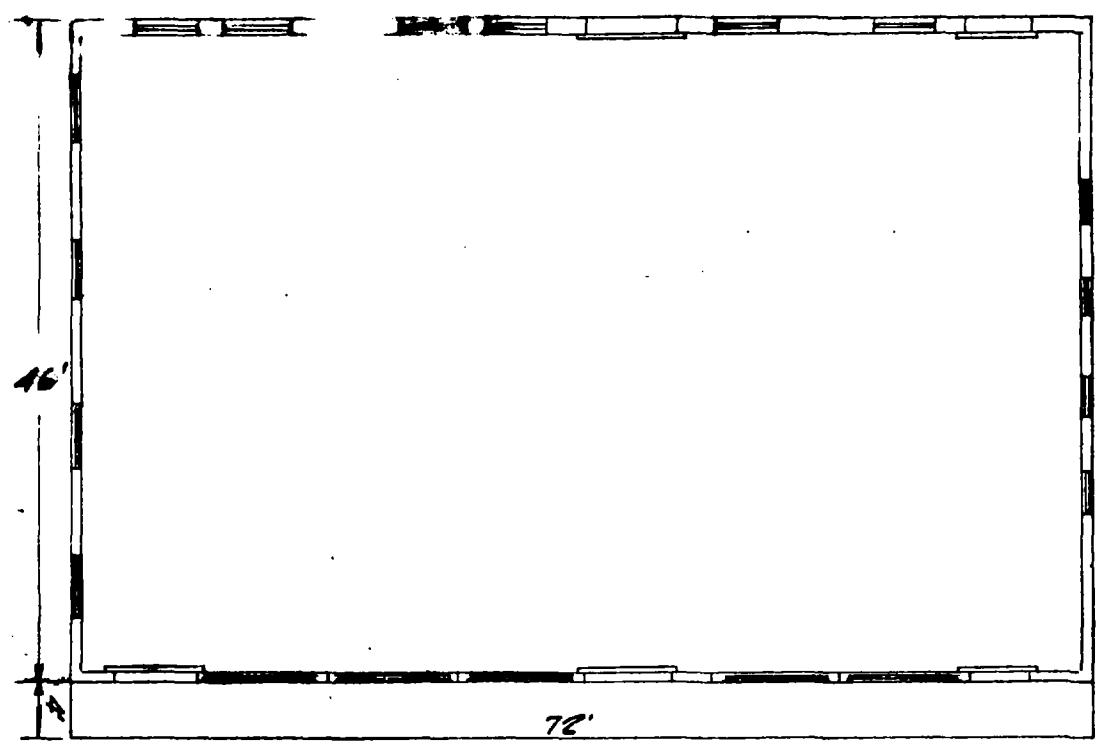
PLANT: - White Lead

FEATURE: - Warehouse

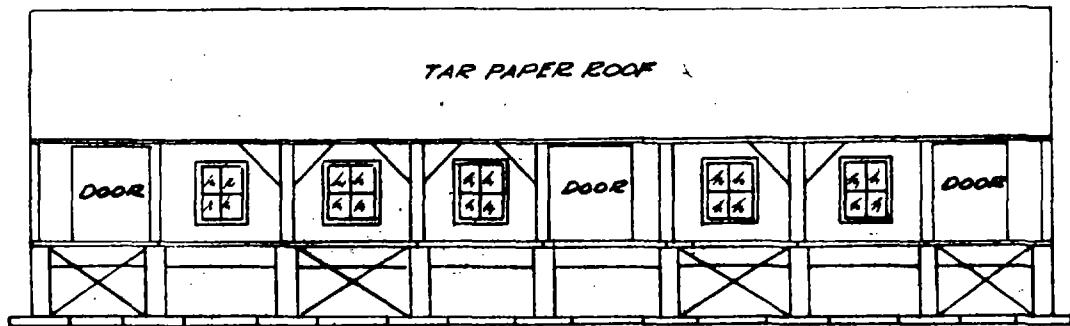
GENERAL DESCRIPTION

The Warehouse building was built to house the White Lead Grading Laboratory and store various equipment such as bags and barrels used in the packer building. The building is constructed of corrugated iron on wood. The wood goes down to concrete footings. Both end doors are wood. The laboratory and small field office are insulated with beaver board and heated with steam.

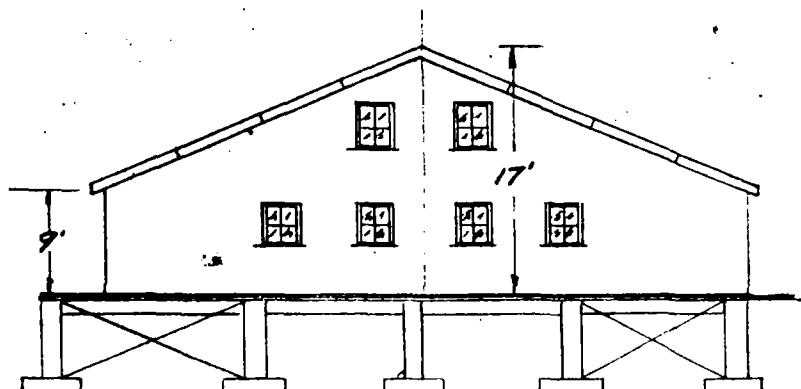
The equipment consists of a stencil machine and the physical equipment necessary to rub out screen and check samples for grading. The building is served by a standard gage siding and platform along one side.



PLAN



FRONT ELEVATION



SIDE ELEVATION

WAREHOUSE
BUILDING NO 213
ALL WOOD CONSTRUCTION

INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO - INDIANA

BPL000000392

BUILDING - #113

Equipment

PLANT: - White Lead

FEATURE: - Warehouse & Grading Laboratories

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (1957)	VALUE AS IS
1	Analytical Balance	\$ 50	\$ 50	\$ 50
1	Drying Oven	35	40	20
1	Ideal No. 1 Stencil Cutter	140	150	70
1	Ideal No. 2 Stencil Cutter	120	140	60
1	Electric Hot Plate	30	60	20
1	Torison Balances	10	15	5
1	6" Stone Mill Motor No. 58	75 42	110 64	40 25
1	Shaker for pH (Shop Built) Motor #108	25	40	15
1	Portion Ventilating System (Shop Built) Motor No. 145	42	60	25
2	1 Gallon Safety Cans	4	6	3
1	Interval Timer	10	12	5
1	Stormer Viscometer	150	175	60
1	Pfund Cryptometer	25	40	15
1	LaMotte pH Apparatus	75	90	40
1	Copper Sieve	40	50	20
1	Stop Watch	25	50	15
1	Pocket Hallige pH Comparator	25	30	15
1	Humidity Tester (Shop Built)	20	35	10
1	6 Drawer Knockhole Desk	40	50	25
2	Office Swivel Chairs	60	75	30
1	8 Drawer Steel File Cabinet	10	15	5
1	Small Despanier	8	10	4
1	Enamaled Sink 14" x 20"	6	10	3
	Miscellaneous Glassware	75	100	40
	Miscellaneous Benches and Cupboards	35	70	20
	(Old Warehouse)			
1	Spare Anode Lifter for Cell Room	900	900	200
1	Spare Bearing and Driving Gear for Packer	100	150	50

BPL000000393

BUILDING - #15

Equipment

PLANT: - White Lead

FEATURE: - Warehouse & Grading Laboratories

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (ITEM)	VALUE AS IS
1	(Old Warehouse) Sump Pump Base for Sump Pump outside Ball Room door	\$ 20	\$ 25	\$ 10
1	Single Anode Washer mounted on frame, 9" diameter, 5" wide, 8' long	120	200	10
25	2 Wheel Platforms made of angle iron and wood - 2 wheels to each platform back and 2 legs made of iron (front)	500	625	500
1	2 Wheel Rubber Tired Barrow Truck	10	15	5
1	Gallow Truck Jack, 2-wheel wheels Rubber tired	150	200	75
1	Main 6 American Blower, Inlet 10", outlet 10", belt driven by motor No. 49	80	100	40
2	Journals complete with rolls for Raymond Mill	200	400	80
10	Light Outlets	200	250	50
1	Gear Reducer, no motor	75	100	55
1	Spare Drive Wheel for top of Thickener, 6" diameter	175	200	85
1	Yecto Gear Reducer, Ratio 20 to 1	75	100	35
1	Beam Scale, Fairbanks, bad condition, Platform 20" x 37"	25	40	5
1	(Symbol) Boulder Packer Screw Labor of Handling and Installation	\$0	\$0	5
	TOTAL	\$4,350	\$5,045	\$1,590

BUILDING - #114

Structure

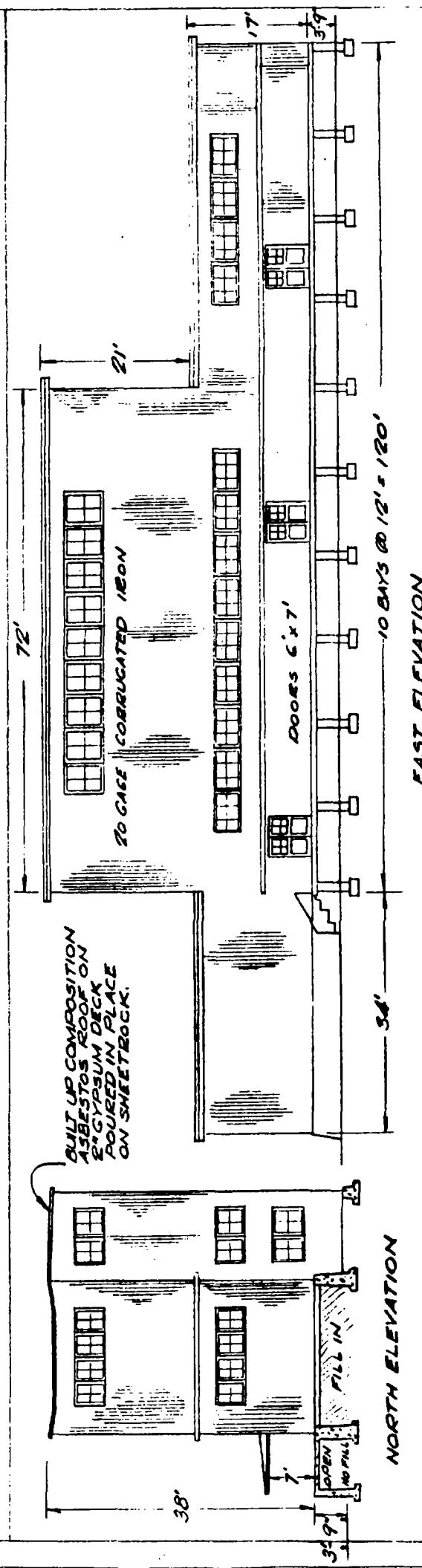
PLANT - White Lead

FEATURE - Packer Building

GENERAL DESCRIPTION

The Packer Building was constructed to house the equipment necessary to dry, grind and package the nearly dry white lead received from the dryers. The building is constructed of corrugated iron on steel supported on concrete foundations and a raised slab on sand fill some four feet above grade. The roof is a poured-in-place gypsum slab on sheet rock finished with an asphalt roof over the main portion of the structure. A south addition has a corrugated roof. This building is opposite building No. 215 and has a concrete loading platform its entire length and is served by the same siding mentioned under building No. 215. Sheds are of steel, doors are of wood. There is no general heating in the building although a steam radiator serves to warm the men's hands.

The equipment consists of a recharge bin, screens and conveyor, a set of crusher rolls for white lead treatment bins, Raymond mill, Raymond mill heater system with Drasco dust collector, two packers for packing either barrels or bags with supporting conveyors, elevators, screens, dust collecting equipment and ventilation.



MILL & PACKER BUILDING
BUILDING NO 214
WOOD FRAME
CORRUGATED IRON SIDING
CONCRETE FLOOR

**INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA**

BPL000000396

BUILDING - #814

Equipment

PLANT - White Lead

FEATURE - Packer Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)		VALUE AS IS
			ITEM	UNIT	
8	Air Vibrators	\$ 200	\$ 300	ea	\$ 100
1	Grville Simpson Rotex, style 11, serial # 14741, RPM 800 to 840. Rotex driven by V-belt motor #130-A, 1/8 H.P., 1100 RPM, C.R.	120	150	ea	40
1	Sump Pump, 110 volts, motor #30-A, 1/8 H.P., Robbins & Myers, 1440 RPM	40	45	ea	30
2	Syntex Vibrators and Controllers	200	300	ea	100
1	Recharge Belt Conveyor, 8" belt, 85 ft. long, lagged, chain driven. Motor No. A-1158, Reliance 1/8 H.P. motor, 1750 RPM	270	375	ea	300
2	Spare Lotion Dryer Hearts	200	300	ea	200
	Load Rollers made by Power & Mining Machinery Co., Milwaukee. Rollers 10" wide, 36" diameter, 6" diameter shafts, driven by motor #16, 1/2 H.P., 1145 R.P.M., C.R., V-belt, gear drive	200	200	ea	200
1	Syntex Vibrator and Controller	140	150	ea	80
21 ft.	8" Screw Conveyor between elevator to rolls	210	360	ft	100
1	8" Bucket Elevator, 30' high, driven by motor #141, 3 H.P., 1740 RPM., Reliance	400	600	ea	200
1	10" Screw Conveyor eleven feet long	80	100	ea	40
1	Garage Exhaust Fan, Kalsomine, N.Y.C., Type A.P.-58, 12" inlet, 12" outlet, driven by motor #30-A, 3 H.P., C.R., 1800 R.P.M..	80	90	ea	40
1	Barrel Dumper with motor driven 6" screw conveyor delivering lead to elevator then recharge bin Screw Conveyor driven by motor #30 3 H.P., C.R., 1800 R.P.M.	180	175	ea	90
1	Buffalo Forge Co. Fan, 8" inlet, 8" outlet, driven by motor #30 3 H.P., C.R., 1800 R.P.M..	45	60	ea	30
85 ft.	8" 16 Gauge Iron Pipe	170	200	ft	80
36 ft.	6" 16 Gauge Iron Pipe	25	40	ft	15
5	Cleanouts with 8" pipe	15	15	ea	0
1	Bucket Elevator 7" wide, 30' high, driven by Motor #44, 3 H.P., C.R., 1800 R.P.M., Belt Driven	175	300	ea	80

BUILDING - #814

PLANT - White Lead

Equipment

FEATURE - Packer Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT		VALUE AS IS
			\$	% NEW	
1	Recharge Hopper, top 5' x 7' tapering down 7 ft. from top, 2 ft. straight wall, then tapering down to opening 20" x 7" at the bottom where there is: 5" Screw Conveyor 56" long driven by Drexel Ratchet Feeder	\$ 60	\$ 70	80	40
1	V-35 Syntron Vibrators & Controllers	240	500	120	
1	12 Circuit, 15 ampere Light Panel Cabinet, 22 light outlets	100	120	50	
1	10 Circuit Power Panel 6 circuit 51 to 60 ampere 8 circuit 0 to 51 ampere 440 Volts, 60 cycle, 3 phase	200	240	60	
1	7.5 KVA Lighting Transformer, 2200 Volts, 220 to 110 volts, 60 cycle	150	180	60	
1	Receiver Tank 8' high, 30" dia., with one perthite cleaner	100	275	75	
2	Drexco Air Cleaning Units	1,800	1,900	700	
1	Roof Exhaust Fan, Motor #178-A, 1 H.P., C.R., 1150 RPM	40	60	55	
1	Syntron V-35 Vibrator with Controller	140	150	50	
1	8" Ratchet Elevator, 30" high, driven by motor #500 through speed reducer 1/2 H.P., 1150 R.P.M., Reliance	200	400	150	
1	Buffalo Blower #9, 12" inlet, 12" outlet, Motor #500 1/2 H.P., 1150 R.P.M., C.R.	40	60	55	
1	V-35 Vibrator with controller	140	150	50	
1	Cyclone with Drexco Feeder, driven by Motor #181-B 1-1/2 H.P. Reliance, 1150 R.P.M. through speed reducer	100	125	40	
1	Standard Rotex with air vibrator, Rotex driven by Motor #182-A, 1.5 H.P. Reliance, 1150 R.P.M. Screw Conveyor under Rotex, Motor #110-B, 1 H.P., 1150 R.P.M.	200	250	100	
1	Storage Bin above Packer top, 12' x 6', 5 ft. straight down, then tapers down on four sides to top of packer. Bin completely insulated	8,000	8,400	1,000	

BUILDING - #614

Equipment

PLANT - White Lead

FEATURES - Packer Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (1959)	VALUE AS IS
1	Steaming System Speed Tool, power unit, 100 H.P.M., speed variation 5/4, Type E, Frame 550, driven by motor #104-A, V-belt drive over Raymond mill whisker, 10 H.P., 1000 R.P.M.	\$2,500	\$4,000	\$1,200
1	Exhaust Fan, Raymond Mill - Raymond Prod. #5L, 18" outlet, 18" inlet, belt drive line shaft from Raymond Mill Motor.	6,000	8,000	3,000
1	Raymond Mill Motor #6-A, 30 H.P., 3000 R.P.M., 600 R.P.M.	450	500	200
1	Load Bin, wood, top 18' x 12' 15 ft. high on north side of bin South side 6 Ft. straight down from top, then tapers down	3,000	4,000	1,000
1	Steel Blower (Motor #108-A) and Vacuum Cleaner, 110 volts A.C., 1 H.P., Jumbo Model	150	140	80
1	Speed Reducer made by the Mechanical Div. Co., Chicago, mounted on plate with motor #6-60 1000 R.P.M., 6 H.P., 30 H.P. motor, V-belt drive. This unit was assembled, but was never put into operation.	200	250	70
1	V-45 System Vibrator on Raymond Mill Bin with controller	140	150	80
1	Exhaust Fan (For Drag Chain) Detroit Mfg., 18" diameter fan, 1400 FPM, outlet 18", direct connected Motor #60, 3 H.P., 1000 R.P.M.	140	160	80
1	Bucket Packer, Motor #7-A, 15 H.P., 612, 600 R.P.M., Belt Drive	220	250	170
4	V-45 Vibrator and Controllers	540	600	320
2	Bag Packers	340	400	180
1	United Special Bag Sealing Machine, Style 45400-J, running on Non-O-Hall	370	420	200
1	Dial Scale, Serial #47811 (cannot weight) over-under for weighing bags of lead	140	160	70
1	Telede Dial Scale, 1,000#, size of platform 45" x 38"	400	500	180

BUILDING - #214

Equipment

PLANT - White Lead

FRAC. - Flockhouse Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (1960)	VALUE AS IS
1	#6 Shuttervane Fan, 14" outlet 12" inlet, Motor #175-A 6 H.P. Shuttervane, 1750 R.P.M., 14" inlet, 14" outlet	\$150	\$150	\$150
2	605 System Vibrators and Controllers	200	200	150
1	#4 Buffalo Duster Blower, 12" inlet, 12" outlet, Motor #B-3-B, 3.5 H.P., Revolving, 1750 R.P.M.	120	140	80
1	Hand Operated Barrel Dumper with ventilated head	40	50	30
1	V-55 Syntron Vibrator, no controller (Spare)	80	100	40
1	Fairbanks Moon Scale, 1,000 lbs., Platform 48" x 55"	400	200	150
	Labor of Handling and Installation	<u>5,000</u>	<u>6,700</u>	<u>2,500</u>
	TOTAL	\$50,100	\$40,360	\$15,075

BPL000000400

BUILDING - #224

Structure

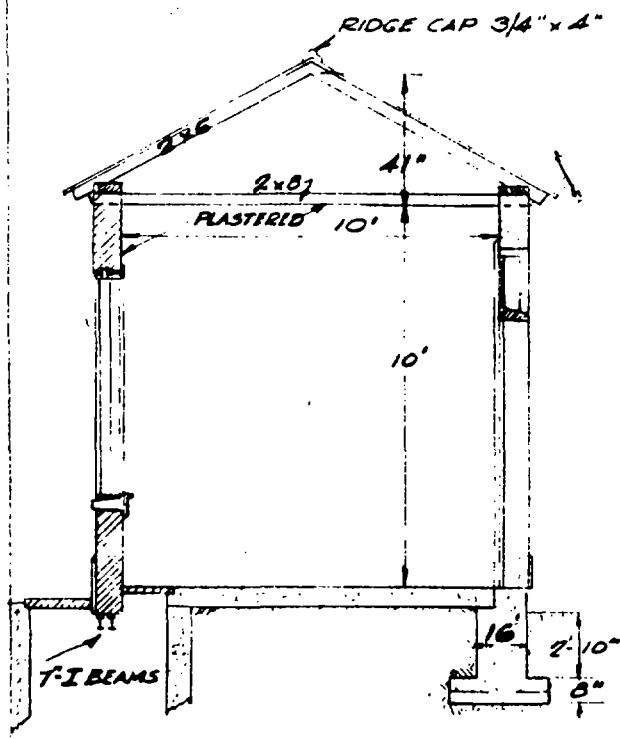
PLANT: - White Lead

FEATURE: - Scale House

GENERAL DESCRIPTION

The Scale House was built to house the beam of the Railroad track scale. It is built of brick on a concrete foundation and has a wood roof covered with building paper surface. The walls and doors are of wood.

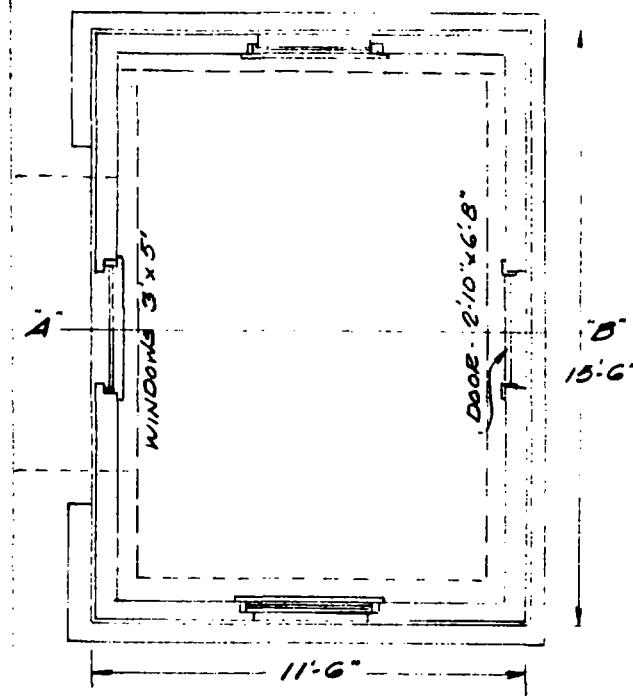
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SHINGLES 1" TO WEATHER

SIDE ELEVATION

CROSS SECTION "A-B"



RAILROAD SCALE HOUSE
BUILDING №224
BRICK WALLS - CONCRETE FOUNDATION AND FLOORS
WOOD ROOF - ASBESTOS SHINGLES

INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO - INDIANA

BPL000000402

BUILDING - 7224

Equipment

PLANT - White Lead

FEATURE - Scale House

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL COST	VALUE (MM)	
1	Table	\$ 15	\$ 20	\$ 2
1	Bench	4	6	1
1	Stove	10	15	5
1	Fairbanks Morse 100,000 lb. Tugger Scale	6,000	15,000	800
	Labor or Handling and Installation	604	1,804	54
	<u>TOTALS</u>	<u>\$6,600</u>	<u>\$15,848</u>	<u>\$ 860</u>

BUILDING # 220

Structure

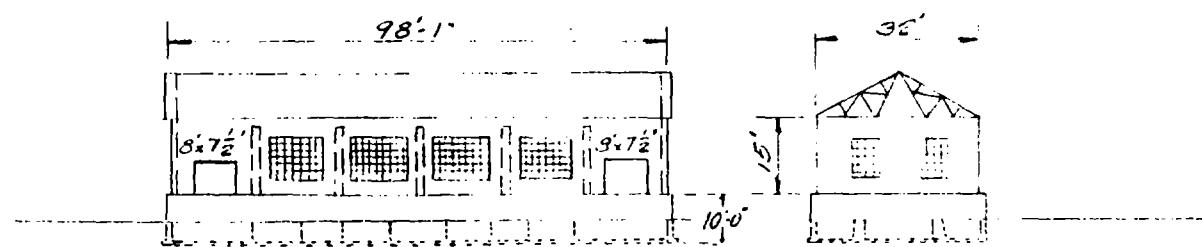
PLANT: - White Lead

FEATURE: - Lowden Dryer Building

GENERAL DESCRIPTION

The Dryer Building was constructed to house the Oliver filter and Lowden dryer. It is built of brick on a reinforced concrete substructure which extends about seven feet above grade. The pyrobar gypsum slab roof is supported on steel trusses and purlins and is finished with a built up asphalt roof. The building is of heavy construction, such as of steel, doors of metal clad construction. A power driven ventilation system provides ample ventilation.

The basement is not used except for wash down and some storage of wet materials. The main floor contains the steam heated hearth of the dryer with the mechanism supported over it on piers. A copper covered insulated hood covers the entire hearth and is exhausted through the ventilating system mentioned above. The Oliver filter, bin, pumps and conveyors are located at the feed to the dryer. A conveyor at the East end removes the dried white lead to a conveyor dryer which conveys the dry white lead to the pulverizer building.



WHITE LEAD-DRYER
BUILDING NO 225

BRICK WALLS
STEEL TRUSSES
CONCRETE FLOOR & STEEL BEAMS
CONCRETE FOUNDATION
COMPOSITION ROOFING
STEEL SASH

INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO-INDIANA

BPL000000405

BUILDING - # 225

PLANT - White Lead

Equipment

FRACTION - Lowden Dryer

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)		VALUE AS IS
			\$	\$	
1	Lowden Dryer 36" Oliver filter - driven by motor # 914 belt & chain drive 1 HP motor 230 VAC - Reliance	9,300	11,000	5,000	
1	Sterling exhaust fan belt driven - driven by motor 77A 1/2 HP 1200 RPM Westinghouse Fan inlet 36" outlet 36" x 36" connected to fan - 17' 36" diameter Copper (16 oz) pipe then reduced to 30" diameter 4' 30" diameter copper pipe branching down to four 18" diameter. Down pipes copper each 10' long, these run down into four copper hoods 6' x 6', down taper of hoods. 36" West end of Lowden dryer 5 copper end doors 4' x 36". 1 copper side doors 6' x 36". 2 copper side doors 6' x 36". These six doors are 1" thick, insulated - both inside and outside of doors are copper.	170	200	80	
2	Insulated copper covers 6' x 5'6"	4,000	4,000	2,000	
4	Insulated sliding covers 6' x 6'				
2	Insulated sliding covers 6' x 18'				
2	Insulated sliding covers 6' x 6'				
2	Insulated sliding covers 6' x 36"				
2	Insulated sliding covers 6' x 36"				
4	Insulated sliding covers 6' x 36"				
2	Insulated sliding covers 6' x 48"				
2	Insulated sliding covers 6' x 48"				
1	Lowden dryer steam heated hearth aluminum 18" x 36". Hearth is in 30 sections. Each section 6' x 48" - steam pressure	18,000	22,000	9,000	
2	Regulators. Gauges Conveyors from Oliver filter to dryer (1) 18" belt conveyor 11' long (1) 18" swinging conveyor 18' long. Belt conveyor is 4A 1-1/2 HP 1710 RPM Reversing swinging conveyor is run through chain drive speed reducer and Motor # 163 1/2 HP Westinghouse motor 230 volts 1140 RPM	525	400	150	
2	Hopper pulp pumps driven from line shaft belted to motor # 92A 1/2 HP 1200 RPM G.E.	50	120	40	
1	Oliver filtrate lifter pump direct connected to motor # 77A 1/2 HP 1200 RPM - Reliance Pump data: type 38 - size 10 Serial # 2901-2	120	140	60	
1	Lowden dryer is driven by motor # 92A 5 HP G.E. 1200 RPM belted to line shaft	50	50	40	
4	Frame steam heaters Serial 62048 30" x 50"	400	500	300	
1	Tool locker (steel) with 5 shelves 6' high 36" wide 18" deep	50	40	20	
1	Three section clothes locker 48" wide 5' high 18" deep	40	60	30	

BUILDING - # 285

Equipment

PLANT: - White Lead

FEATURE: - Lowden Dryer

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Mastic (for Lowden Dryer) mixing machine with steel bench	120	275	125
1	Lead lined pulp paint mixer 30" I.D. 6' deep with water cooling jacket			
1	22" x 60" 100 gallon standard 20# pressure (water) - galvanized water tank. This mixer driven by bevel gear. No motor or starter on mixer at present time	500	600	200
15	Light outlets	500	375	75
1	Power cabinet			
2	0 - 31 circuits 4 - 31 - 60 ampere circuits	125	175	50
1	Light cabinet 16 circuits 15 ampere circuits 60 cycle	120	150	100
1	50 gallon water tank	15	25	10
1	Pipe rack (Lowden Dryer) basement 6 tiers 6' high 10' long (lot)	50	50	10
1	Two wheel (barrow) hand truck	15	20	5
1	14" belt conveyor from Lowden to drag chain conveyor 30' long, driven through speed reducer and chain drive. Driven by motor # 92A 5 HP 6.2 R.P.M. 1800 R.P.M.	700	900	500
	Labor of Handling and Installation	<u>8,585</u>	<u>15,194</u>	<u>8,600</u>
	TOTALS	\$45,900	\$57,324	\$30,475

BUILDING - # 226

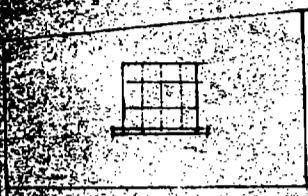
Structure

PLANT - White Lead

FACILITY - Storage Supply

GENERAL DESCRIPTION

The storage supply building is a small corrugated iron or wood building with a concrete floor used for the storage of white lead plant supplies.



16'-0"



STOKELEY 1 100' X 100' 7' 6" HGT
100' X 100' 7' 6" HGT
100' X 100' 7' 6" HGT

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO, INDIANA.

BPL000000409

BUILDING - # 226

PLANT - White Lead

Equipment

FEATURE - Storage Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)		VALUE AS IS
			\$	\$	
1	Gould, hand operated diaphragm pump	15	50	0	0
1	Yale, 2 ton, I-beam dolly, model D	8	12	4	4
1	Roper, Lead pump (Gear pump)	55	45	5	5
1	Yeates Brothers gear reducer HGM 1 spare for anode washer	55	50	10	10
1	Double wheel swivel caster, 6" wheels	2	12	2	2
3	Bearings (Babbitt pillow blocks) 5-5/8" bore x 10" length, spares for lead rollers	40	60	20	20
5	Bearings (Babbitt pillow blocks) 5-7/8" bore x 8" length for Lowden dryer	50	100	50	50
5	Vulcan C-clamps 4-1/2" gay	10	15	5	5
1	Pinion 14" diameter x 9" face for lead rolls	50	40	15	15
1	Pittsburg, 2" water meter	25	35	10	10
1	Brace shaker cylinder	55	45	20	20
1	Roller sprocket, 20" diameter, for lead rolls	55	45	10	10
5	6" feed screws for 24" conveyor	5	10	5	5
1	Impeller, for Worthington pump (Scrap)	75	100	20	20
2	Impellers for CGG gas flame	75	100	30	30
2	Agitator shafts and gears for Oliver filter	75	100	30	30
2	Elevators, complete with racks for Anode Wash machine	40	50	10	10
1	Box spare cathode frames (lot)			1	1
2	Side arms for Lowden dryer	50	30	5	5
1	4" brass gate valve	10	15	2	2
2	Spare wheels for jack truck in warehouse	2	4	1	1
5	Spare impellers for Lalour filter pumps	50	40	10	10
1	Rockwood pulley 4-1/2" diameter, 4-1/2" face, 1-5/8" bore	4	6	1	1
1	Rockwood pulley 5" diameter, 7" face, 1-7/16" bore	6	8	2	2
1	Rockwood pulley 4-1/2" diameter, 4-1/2" face 1" bore	4	6	1	1

BUILDING - # 284

Equipment

PLANT - White Lead

STRUCTURE - Storage Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Sat top thinkles and bands for Densco dust collector	50	50	5
1	Assortment hard-rubber fittings (lot)			5
200	lbs. 5/16" thick sheet lead	10	24	10
35	Foot rubber hose 2-1/2" diameter	10	18	5
1	Gas burner, 5 burners for Raymond mill Master (No Valve)			
1	Small Rotex screen	75	100	15
2	55 gallon drums, White asbestos and Protective material, No. A - 120 - 20 - 1	110	120	40
1	55 gallon drum, transformer oil	30	45	20
1	55 gallon drum, J & M concrete primer	60	65	20
1	Steel hearth for 24" conveyor	20	30	15
2	Rolls asphalt treated muslin 36" x 50 yards	10	12	6
1	Roll asphalt treated muslin 18" x 50 yards	2	4	1
55	White lead bag house bags	90	105	40
1	Spanning device for banding Oliver Filter Cloth	10	20	5
150	Foot rubber garden hose	10	15	5
	Labor or Handling and Installation	145	224	84
	<u>TOTAL</u>	<u>\$1,265</u>	<u>\$1,750</u>	<u>\$605</u>

BUILDING - 227

Structure

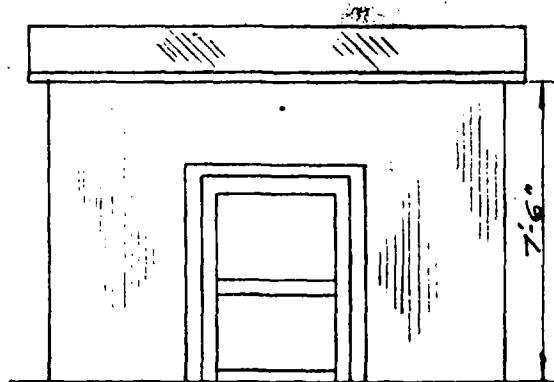
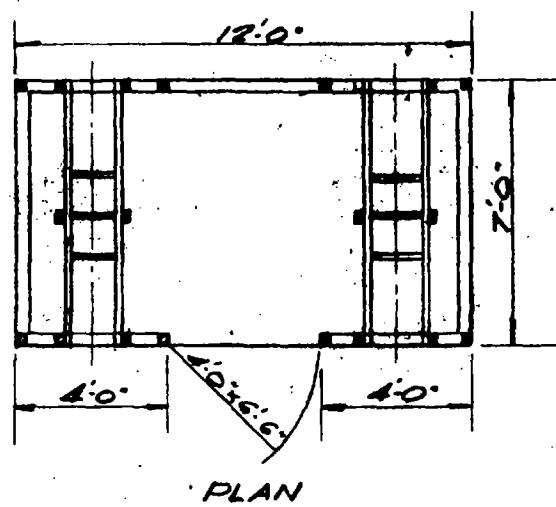
PLANT - White Lead

MEASURE - Oil House

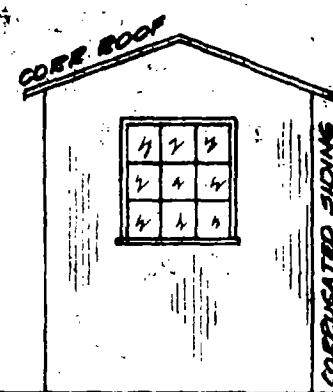
GENERAL DESCRIPTION

The Oil House is a small corrugated iron on wood building with a concrete floor used for the storage of lubricating oil etc. for the White Lead Plant.

BPL000000412



SIDE ELEVATION



END ELEVATION

OIL HOUSE
BUILDING NO 227

INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO - INDIANA

BPL000000413

BUILDING - # 327

Equipment

PLANT - White Lead

STRUCTURE - Oil House

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
2	Rotary hand pump for 55 gallon drums	\$6	40	16
2	Alemite grease gun, model 1000	12	20	10
1	Alemite compressor gun 1-1/4" x 8"	5	5	2
1	Alemite hydraulic gun No. 5500	5	10	5
1	Alemite grease gun No. 600	5	10	5
1	5 gallon, Just Right Safety gas can	6	8	5
1	5 gallon, copper safety can	8	10	4
2	5 gallon, oil cans	8	4	1
1	10 gallon, garbage can	2	5	1
2	Underwriters (step on lid) 10 gallon waste can	5	4	2
	Labor of Handling and Installation	—	11	—
	TOTAL	\$90	\$185	\$80

BPL000000414

BUILDING - # 228, # 229
STRUCTURE

PLAN: - White Lead
FRAMING: - Rose Houses

GENERAL DESCRIPTION

The two hose boxes are the regular standard underwriters hose house built over a hydrant, with a crushed rock base. Full doors open out to expose the contents of the building for immediate use.

BUILDING - # 200, # 200

PLANT - White Lead

Equipment

FEATURES - Hose House

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE		VALUE AS IS
			(NEW)	(\$)	
1	Ax	1	2	1	
2	Lanterns	2	4	1	
5	Spanner wrenches	5	8	3	
400	Feet Underwriter's fire hose	200	500	100	
2	Hose nozzles	0	12	4	
	Labor of Handling and Installation	<u>84</u>	<u>84</u>	<u>11</u>	
	TOTAL	\$240	\$360	\$120	

BUILDING - # 250

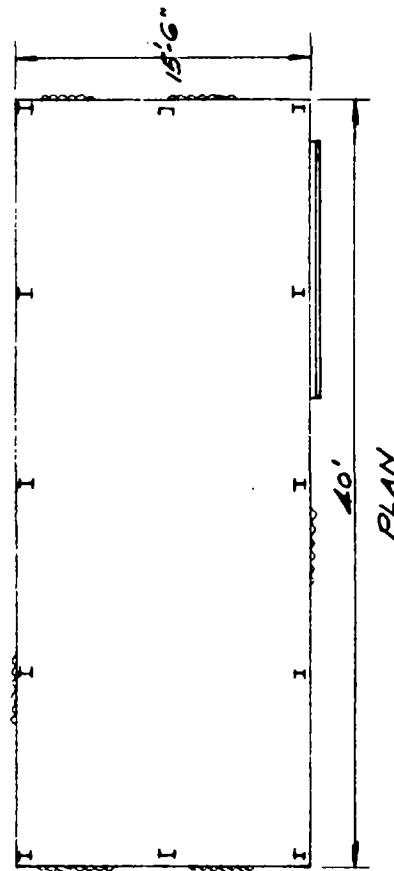
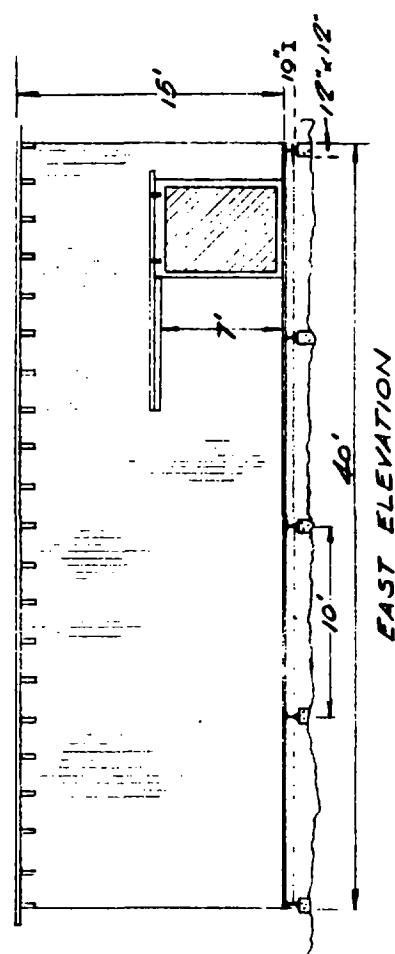
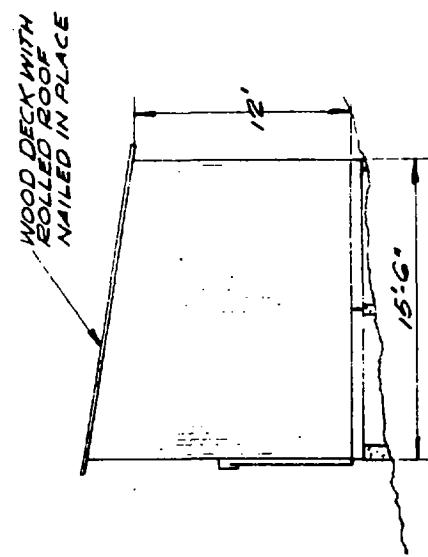
Structure

PLANT - White Lead

FUNCTION - Turpentine Storage

GENERAL DESCRIPTION

The turpentine storage house is built adjacent to the high line track for easy access to cars which deliver turpentine in steel drums. It is built truck height on the road side for ease in loading trucks. The building is corrugated iron on wood with a wood floor and wood deck covered with roofing paper.



LINSEED & TURPENTINE STORAGE
BUILDING NO 230
WOOD FRAME - CORRUGATED IRON SIDING
WOOD FLOOR

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BPL000000418

BUILDING - # 230

Equipment

PLANT - White Lead

TREATMENT - Turpentine Storage

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)		VALUE AS IS
			\$	\$	
100	Foot American Monorail complete with hangers	140	200	80	
2	Four wheel Monorail trolleys	25	35	14	
1	Yale chain hoist, 1/2 ton capacity	50	60	20	
50	Feet 1" iron pipe	8	10	4	
15	Feet 3" iron pipe	12	15	6	
4	1" gate valves	8	4	2	
7	1-1/2" check valves	12	14	6	
1	2" gate valves	8	4	2	
2	3" gate valves	12	14	6	
1	Oil pump, complete with safety switch and driven by motor Co. tag B-66. Assembly mounted on four wheel flat wagon 5 HP 1100 RPM	300	350	160	
	Labor of Handling and Installation	117	141	55	
	TOTAL	\$708	\$850	\$365	

BUILDING - # 551
Structure

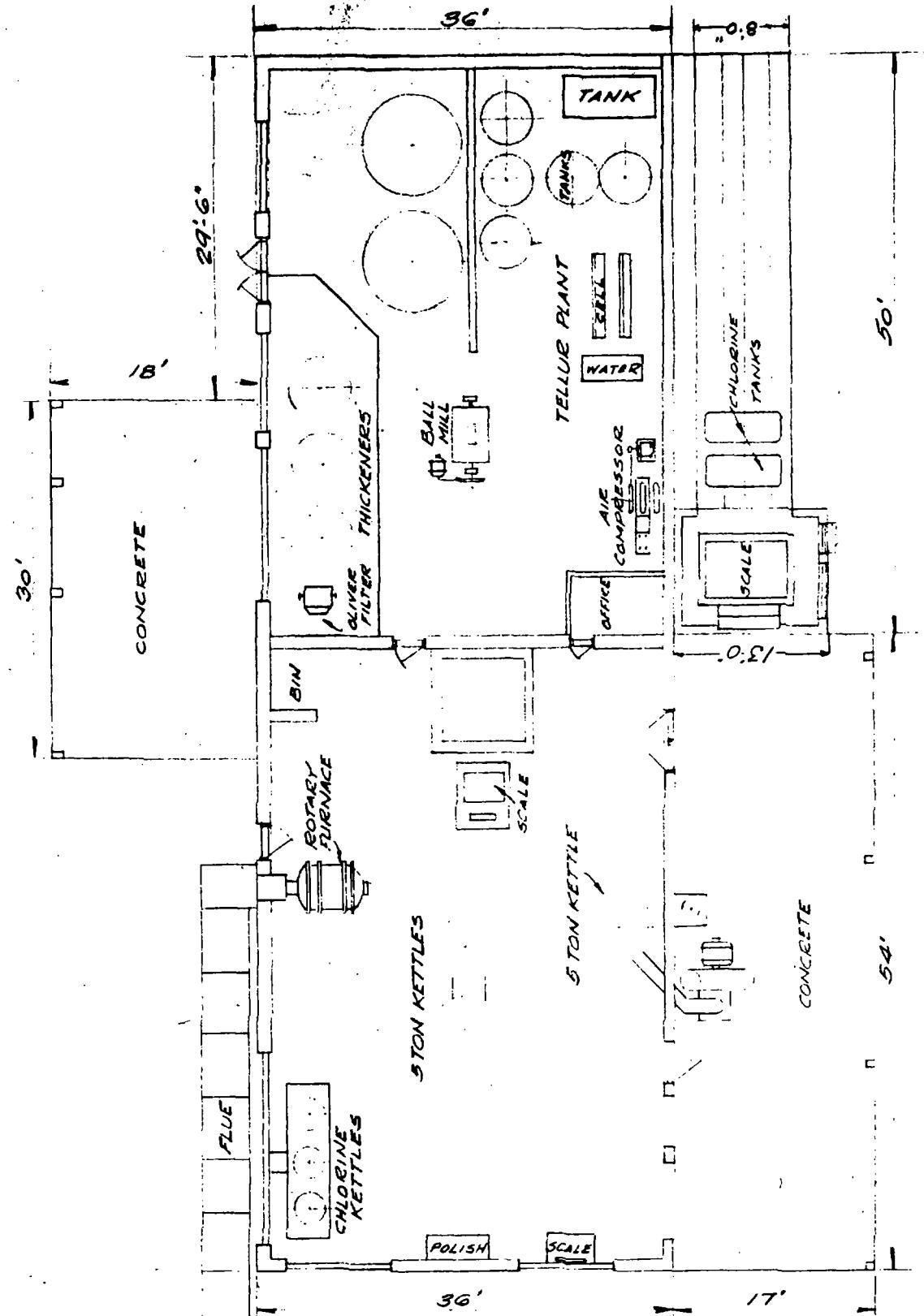
PLANT: - White Lead
TYPE: - Bismuth Plant

GENERAL DESCRIPTION

The Bismuth Plant was constructed for the purpose of refining bismuth by the Parkes Process and comprises a rather complete plant for this purpose. It is divided into two parts one a smelting, filtering and chemical plant, the other a furnace and kettle operation. The building is of semi-fireproof construction starting with a concrete slab for a foundation. Upon this foundation is erected a wood structure with wood trusses covered with corrugated iron with a 1" wood deck on wood purlins and covered with roll roofing. The entire interior is lined with transite nailed in place and backed with rock wool for insulation. Bush are steel, doors are wood. Chlorine storage house at south side is of brick and concrete with steel bush and wood doors.

The equipment consists of (8) 6' diameter x 4' deep thickeners arranged for counter-current flow to conserve chemicals. After washing, these bismuth slimes are dewatered on a 12" x 12" bronze Oliver filter and transferred from the wet side of the Bismuth Plant to the furnace room. Dewatered slimes are charged to a rotary furnace 3' diameter x 8' where they are melted and tapped down to a 5 ton kettle for crude dressing and softening. They are then pumped to another 5 ton kettle where they are treated with zinc and dressed for the removal of silver. After desilverizing, the bismuth is refined by chlorinating, means being provided for treating the molten bismuth with chlorine gas for the removal of lead and zinc. This is done in (2) 5 ton kettles. An additional 2 ton kettle is used for dechlorinating and refining, from which it is rolled into 25# bars by hand ladling. Kettles are hooded and ventilated and the fumes caught in a wet Truaghbar collector. An additional hooded kettle is provided for mixing special metals. Dressings are returned to the Refinery for smelting. Scale, monorail, etc. are provided for this operation and chlorinating equipment necessary for the safe handling of this reagent.

Certain other equipment is also available such as a Pachuca tank, sulphuric acid tank and filter, together with pulverizer, etc. to refine tellurium.

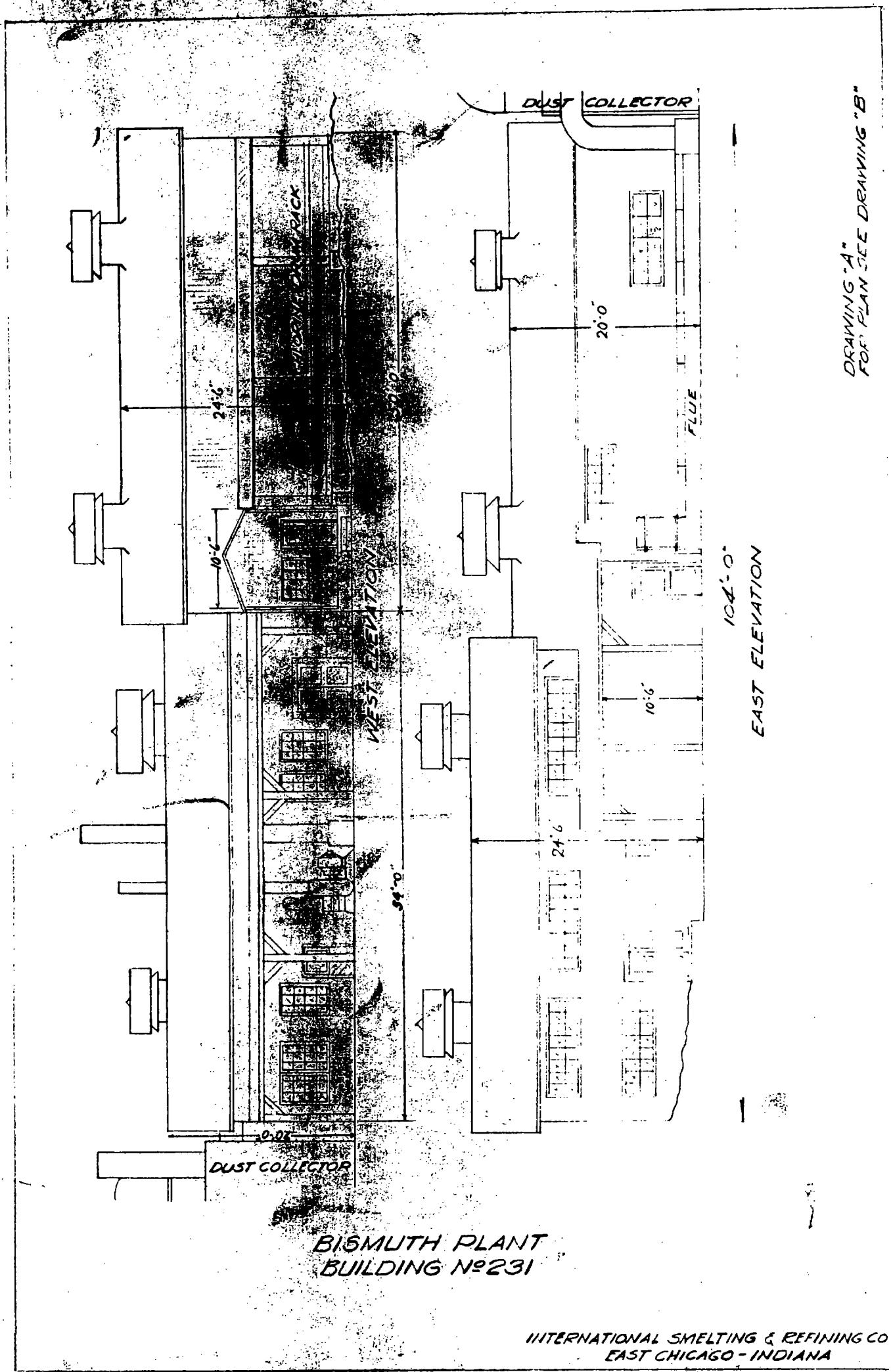


PLAN OF BISMUTH PLANT
BUILDING NO 231

INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO - INDIANA

BPL000000421

DRAWING "B"



BPL000000422

DRAWING "A"
FOR PLAN SEE DRAWING "B"

BUILDING - # 201

PLANT - White Lead

Equipment

FEATURES - Bismuth Refining
(Tellurium)

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
3	Lead lined Parchment tanks	\$,700	3,500	600
3	Square steel tanks 22" x 72" x 36" high constructed of 1/4" steel plate	150	500	50
1	Square steel tank 26" x 72" x 30" high constructed of 1/4" steel plate	50	65	15
1	Square steel lead-lined tank 56" x 48" x 56" 1/4" plate	60	80	20
1	Round steel open top tank 48" diameter x 56" high	30	40	15
1	Round steel tank 24" diameter x 48"	20	30	10
1	Small pump, driven by 1/4 HP 110 volt motor Co. tag # 515 1725 RPM	30	35	10
1	Aurora pump, size 114A, 50 gallons per minute, driven by motor Co. tag 521 3 HP 1800 RPM	100	120	40
2	Clark size 1 starter	25	50	15
1	Bowling acid pump, driven by motor, Co. tag # 516 1-1/2 HP 1150 RPM	50	60	30
1	Paul O Ball Mill, 46" diameter x 22" wide, driven by Allis - Chalmers motor # 515, direct couple to Paulk meterreducer, 20 RPM Ratio 57 - 2, 3 HP 1745 RPM	600	8,000	500
1	Open top steel tank 48" diameter x 11" high x 1/4" plate	250	360	120
1	Portable Aurora sump pump type B - 3M, # 101 - 5229 Driven by 1/4 HP 110 volt, Co. tag # 504 1725 RPM	40	60	20
1	Vacuum pump (air compressor) class EK - 1 air cylinder 5" x 4" Ingersoll-Rand, driven by motor Co. tag # 521 10 HP 560 RPM	400	1,110	250
1	Square D, 50 ampere magnetic starter	25	30	15
50	Feet 1/2" x 4" copper bus bar	24	56	24
1	Square D, 100 ampere safety switch	50	55	15
3	Square D, 50 ampere 575 D A.C. safety switch	50	54	15
5	Clark size 1 starters	60	72	35
1	G.E. starter compensator, 20 HP 440 volts	150	175	55
100	Feet 1" conduit	20	30	15

BUILDING - # 281

Equipment

PLANT: - White Lead

FEATURE: - Mineral Refining
(Tellurium)

QUANTITY	DESCRIPTION	REPLACEMENT		
		ORIGINAL COST	VALUE (NEW)	VALUE AS IS
170	Feet 1-1/2" conduit	40	54	50
60	Feet 2" conduit	20	24	10
1	Buffalo Blower size No. 4 Driven by motor Co. tag # 48 3 HP 220 V. 1800 RPM	56	64	30
1	Chain hoist 1000 lbs. capacity	40	55	25
1	Imperial air hoist, 2000 lbs. capacity	50	70	50
40	Feet 6" x 2-5/8" I beam	20	30	10
2	Four wheel I beam trolley	50	40	15
30	Feet 10" x 1/2" ventilating flue	20	30	10

BUILDING - # 381

Equipment

PLANT - White Lead

FEATURE - Zinc Refining

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (MTM)	VALUE AS IS
1	Wood tank 10' diameter, 8' high	200	300	100
1	Brass vertical sump pump 1-1/2" discharge, driven by motor Co. tag # 159 1/2 HP 1750 RPM 110 volts	200	300	100
1	Aurora vertical pump, type H.S. H.P., size 3 No. 7829, driven by motor Co. tag 158 5 HP 1800 RPM	275 67	400 80	140 60
1	La Bour size 15, type D.P.I. pump, driven by motor Co. tag # 2 5 HP 1800 RPM	275 67	400 80	140 40
2	Clark size 1 starter	25	30	15
1	Clark size 2 starter	25	30	15
1	Square D, 60 ampere safety switch	25	30	15
1	Heavy steel tank, 20" diameter 10' high (not in use)	80	100	30
1	Round wooden tank, with brass bands, 6' diameter 8' high 2" thick	200	300	100
1	Round wooden tank with brass bands, 9' diameter 9' high 2" thick	200	300	200
1	Wood tank, with bands 5' diameter, 6' high, 2" thick	50	75	50
3	Door thickener with driving mechanism, line - shaft and pulleys. Driven by Reliance gear motor # 142 5 HP 1750 RPM	1,125 250	1,400 300	900 150
3	Small two stage Berco pump	300	400	150
1	Oliver filter, 18" x 18" serial 5542R. Driven by motor tag # 149 1/2 HP 110 volts 1/3 HP 1750 RPM	800 50	1,000 25	500 10
1	Clark size 2 starter	25	30	15
1	Berco pump, serial U.S. 7907 (new type built in drive, adjustable valves, not in use) Driven by motor, tag # 381 1/20 HP 1750 RPM 110 volts Meter --	100 20	150 25	50 10
1	10 ampere mercury float switch	25	30	15
1	Four wheel I beam trolley capacity 2000 lbs.	50	30	10
1	Chain hoist 500 lbs. capacity	25	50	15

BUILDING - 4,000

Equipment

PLANT - White Lead

FEATURES - Minnow Refining

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE		VALUE AS IS
			\$	%	
1	La Poudre pump, size 10, 3/4 HP, driven by motor tag # 146 1/2 HP 1750 RPM	1800	180	100	100
		55	66	80	80
		60	66	80	80
1	Mechanical hoist, motor tag # 101 1/2 HP 1160 RPM	125	150	60	60
	Chain No. 3 working chain	480	22	10	10
3	Clark size 1 starters	30	45	150	150
4	Sectilex Steel Tankers				
2	Tanks made from brass pipe 10" diameter x 36" 12" high, 24" gauge glass on each, Filter.	90	130	40	40
		60	80	30	30
		30	45	15	15
1	Cast iron brass, triplex pump 2-1/4" piston, 5" stroke, 150 driven by motor tag # 147 1 HP 1750 RPM	150	200	75	75
	Hand crank	120	140	60	60
1	Reliance filter, solid type, 10" diameter and 10" high	280	340	100	100
		180	200	75	75
1	Reliance filter, No. A7, valve driven by motor tag # 148	570	480	150	150
	1/4" air gauge & switch	120	150	50	50
1	Light distribution panel, switch and fuse board	400	600	200	200
		90	110	45	45
1	100 square square D safety switch	80	100	40	40
200	Pipe 1-1/4" heavy steel wrecks 2' x 4'	60	100	30	30
200	Heavy steel heavy steel ballast train, railroad tires	80	800	10	10
50	Pipe 6" lead pipe, general 6" x 4" x 12" long	150	800	60	60
1	Rotary pump, pumpage 5000 GPM motor tag # 149	500	700	300	300
	Rotary gear motor 1/2 HP	120	145	75	75
5	Port holes, discarded from refinery building 32' x 12' 1 open	700	900	575	575
1	Boat - 4 ton low platform trailer complete with exhaust ports & new spare kettle	75	100	40	40
		500	600	300	300
		45	60	24	24
1	Imperial air hoist, 2000 lbs. capacity	50	70	35	35
		180	140	90	90
1	Portable mixer, 6" impeller driven by 110 volt motor tag # 63 1/2 HP 1750 RPM	2000	300	100	100
		500	600	300	300
1	Portable 6 ton kettle pump, motor tag # 47A 3/4 HP 1500 RPM	1750	2500	90	90
		55	66	33	33
1	Lightning rod 10' tall	40	40	20	20
		250	270	170	170
1	Motor tag # 507 1/2 HP 1800 RPM overhead	500	600	300	300
1	Chain hoist, 1000 lbs. capacity rated	400	550	25	25
2	Brown indicating hygrometer 40000, Fah. Fah	2500	2700	1350	1350
1	Fairbanks scale, platform 54" x 72", 3 ton capacity	400	600	300	300

BUILDING - # 261

Equipment

PLANT - White Lead

WEARHOUSE - Bismuth Refining

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (DOLLARS)		VALUE AS IS
			ITEM	ITEM	
1	Toledo Bismuth scale, 50 lbs. capacity	100	150	75	
1	Chain hoist 1 ton capacity	40	55	35	
1	Gantos No. 3 hoisting winch	60	50	35	
4	Sections steel lockers	20	35	10	
2	Desks	80	100	50	
3	Chairs	50	45	15	
1	Sundstrand adding machine	120	140	60	
1	Light transformer 440/220 , 5 KVA Ruhleman	200	240	100	
1	Baffale blower, No. 87 volume Driven by motor tag # 140 3 HP 1745 RPM	570	425	500	
3	Two wheel gun drop sling pote	400	500	500	
1	Two wheel square dress buggy 39" x 36" x 8" sides	60	100	40	
1	Four wheel heavy steel tracks 3' x 4'	60	100	40	
1	Four wheel heavy steel ballion track, railroad nails 48" long	60	100	40	
1	Four wheel charge buggy 3' x 4' x 18" bed	50	75	35	
4	Wheel-barrows, 2 rubber tired, 2 steel wheels	80	100	50	
4	Sections, molds, (disassembled from refinery molding circles) (salvage)	-	-	20	
1	Steel top bismuth molding table 24" x 10" x 28" high	75	100	40	
16	Bismuth molds	40	60	24	
24	Ladies	120	240	90	
4	Shovels	5	5	5	
2	Hand Trucks	15	20	5	
6	Kiss slab molds, oxide style	60	90	30	
28	Overhead light fixtures	540	670	500	
5	Litharge molds 24" x 24" x 5" sides	200	300	100	
12	Steel skids 24" x 39" x 15" high	100	180	50	

BUILDING - # 251

Equipment

PLANT: - White Lead

FEATURE: - Bismuth Refining

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>REPLACEMENT</u>		<u>VALUE AS IS</u>
		<u>ORIGINAL COST</u>	<u>VALUE (NEW)</u>	
5	Clark size 1 starters	59	45	25
1	Clark size 2 starters	25	30	15
2	Meter on Trebbler rolls, Co. tag # 196 2 HP 1745 RPM # 175 A 3 HP 1150 RPM	50	60	50
1	Aurora pump No. 114a, 50 G.P.M. Driven by motor Co. tag # 534 5 HP 1800 RPM	65	50	45
1	Buffalo blower No. 87. Driven by motor Co. tag # 31 10 HP 1800 RPM	370	425	500
1	Lewis Sheppard hand moving truck, 2500 lbs. capacity	350	500	300
45	Foot monorail track	150	250	100
1	8 wheel monorail trolley	70	100	40
1	Yale pull-lift hoist. 1-1/2 ton capacity	60	90	50
1	Chlorine tank hook	40	60	30
1	Toledo dial scale, style 81-1501 F.K. No. 677894 capacity 6000 lbs.	1,000	1,200	900
1	Storage rack for chlorine tanks	600	800	500
1	Portable blower, 6" intake 5-1/2" outlet, driven by motor Co. tag # 153 B, 1/4 HP 110 volt	20	30	10
2	Copper tube, tank connections	20	25	5
1	Chlorine tank pressure gauge	50	45	15
Labor of Handling and Installation		<u>3,149</u>	<u>5,777</u>	<u>1,756</u>
TOTAL		\$34,110	\$34,760	\$13,530

BPL000000428

BUILDING: - # None

Equipment

PLANT: - White Lead

FEATURES: - Linseed Oil Tanks & Pump

GENERAL DESCRIPTION

Two tanks some 18' high and 10' in diameter enclosed in an earth dike wall with the necessary pump and piping to store three carloads of linseed oil are located on a switch at the White Lead Plant. Linseed oil is pumped from these tanks to a truck trailer which served the Lead in Oil Plant.

BUILDING - # None

PLANT: - White Lead

Equipment

FEATURE: - Linseed Oil Tanks & Pumps

QUANTITY	DESCRIPTION	REPLACEMENT		
		ORIGINAL COST	VALUE (NEW)	VALUE AS IS
2	Linseed oil storage tanks and dike wall	1,800	1,600	800
1	Viking gear pump used at linseed oil tank motor # 172A HP 1-1/2 3400 RPM O.E.	100	110	60
1	Thompson portable pump Motor # 185A 1/2 HP Westinghouse 1725 RPM	75	85	60
	Labor of Handling and Installation	<u>150</u>	<u>150</u>	<u>90</u>
	TOTALS	\$1,810	\$1,975	\$1,615

BUILDING - 250

Structure

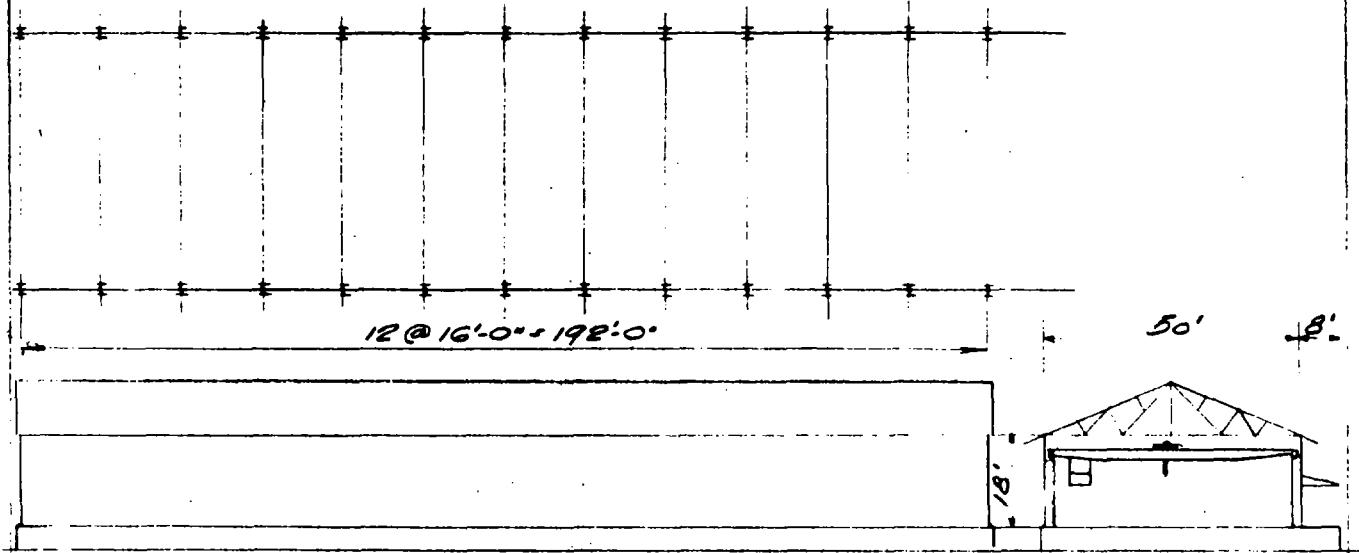
PLANT: - White Lead

FEATURE: - Warehouse

GENERAL DESCRIPTION

The warehouse building was constructed to warehouse bags and barrels of white lead. It is served by a 5 ton Whiting overhead crane running the entire length of the building. A loading platform runs the entire length of the east side along a standard gauge track. The building is constructed of corrugated iron and steel on heavy concrete foundations reaching to platform height above tracks. Floor is 50% concrete and 50% wood on sand fill. Sash are steel, doors are of wood.

Equipment consists of the crane mentioned above, a sloving rig to handle 4 barrels at a time into and out of storage, a device for handling skids with the crane and a bag press to flatten out skid loads of bags so that they may be stacked.



WHITE LEAD WAREHOUSE
BUILDING NO 233
ALL STEEL ON CONCRETE FOUNDATION
CORRUGATED STEEL ROOFING & SIDING

INTERNATIONAL SMELTING & PRODUCING CO.
EAST CHICAGO - INDIANA

BPL000000432

BUILDING - #255

Equipment

PLANT: - White Lead

FEATURE: - Warehouse

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)		VALUE AS IS
			\$	\$	
1	Barrel lifter for 6 barrels made of 6" channels 8' long and flat iron shaped to fit barrels	900	1,800	700	
1	Four wheel truck with stand and platform used for straightening Bettis sheets made of 1-1/4" pipe - 6" wheels and casters	200	300	55	
4	Steel - 8 sided buckets 24" x 24" x 18" high with rings for lifting	75	100	10	
1	Copper - 8 sided bucket 18" x 18" x 24" with rings for lifting basket-above baskets were used at Bettis for carrying copper bars and rods	50	75	25	
1	Hand - two wheel hand truck	15	15	5	
1	Two wheel hand truck with reel of ear (metal) strap (for securing barrels) mounted on truck	20	30	10	
1	Steel plate 22" x 48" - on adjustable legs. This is the casting plate used for making Bettis starting sheets.	150	175	15	
1	5 ton Hoisting Crane	4,000	8,000	3,000	
1	Skid carrier made from 1-1/2" x 6" steel and 1-1/2" x 1-1/4" flat steel bars with adjustable rings for centering loads	200	300	100	
3	Iron car door platforms 5'4" x 4' x 1"	50	75	50	
1	Dog press 5'6" - 5'4" 2 Horse cylinders serial #52210	1,125	1,350	800	
1	Bettis sheet lift hooks on lifter for 54 sheets 17 sheets lifted at a time. Lifter rack 4'3" long, width 3 ft., height 2'3"	500	350	40	
1	I.T.E. power panel (cabinet) 500 amperes, 440 volts, 60 cycles, 3 phase	125	175	60	
1	I.T.E. light panel (cabinet) 14 circuits, 10-50 amperes, 1 phase, 60 cycles, 220 to 110 volts	150	200	100	
25	Light Outlets	450	625	500	
600	Wood Skids	2,400	2,700	1,800	
	Labor of Handling and Installation	505	1,814	584	
	TOTAL	\$10,710	\$25,495	\$6,745	

BPL000000433

BUILDING - # 234

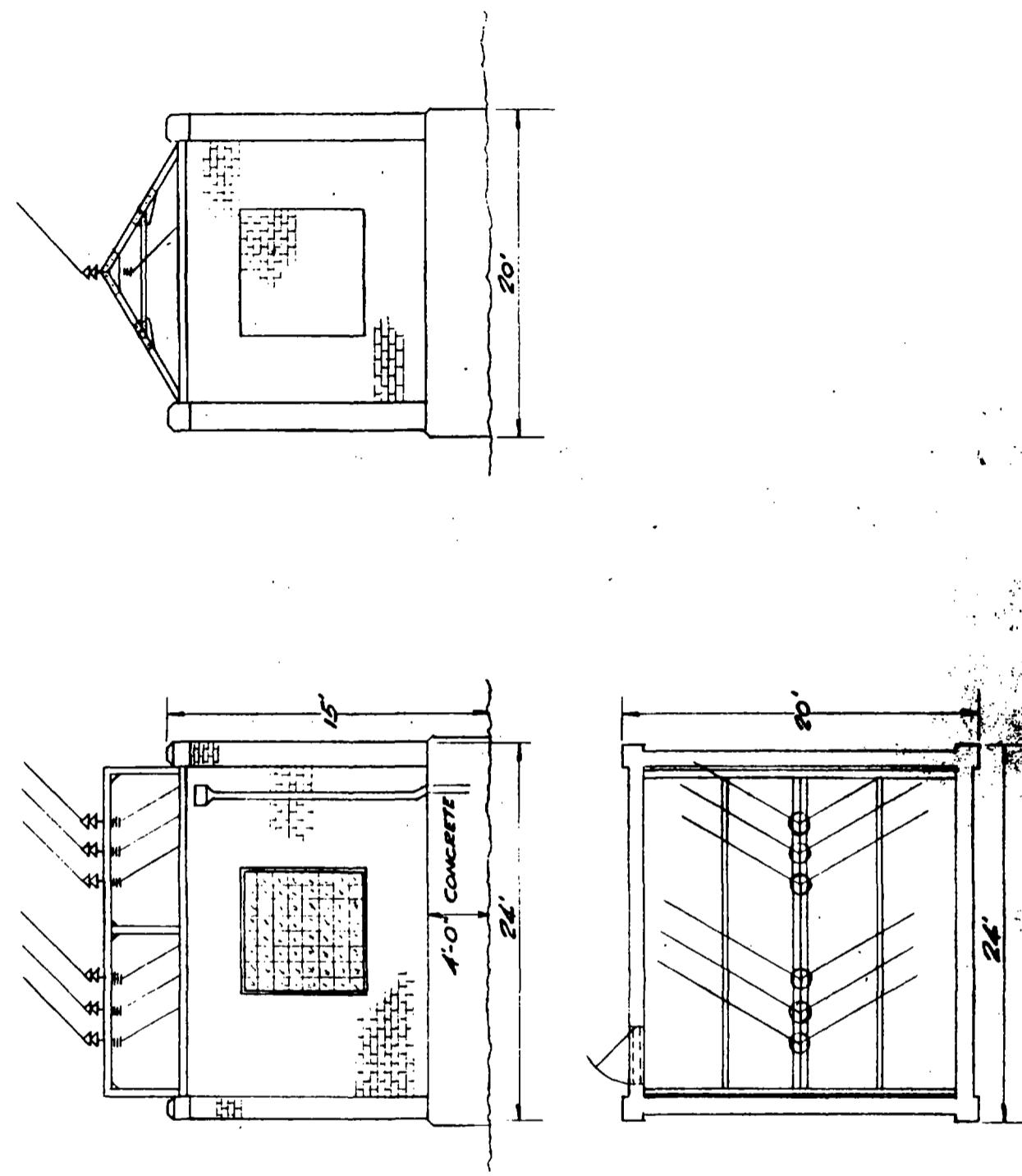
Structure

PLANT: - White Lead

FEATURE: - Switch House

GENERAL DESCRIPTION

The Switch House was constructed to house the incoming 11,000 volt line and the 11,000 volt emergency line of the Northern Indiana Public Service Company. Meters and switching equipment are housed here to service power to our substation. The building is of brick construction on concrete foundations and floors with concrete slab roof finished with built up asphalt roofing. Incoming lines are supported on steel framework erected on roof. Windows are glass brick, doors of steel.



**SWITCH HOUSE
BUILDING NO 234**
BRICK WALLS - CONCRETE FLOOR
STEEL DEADEND FOR CABLES
TILE ROOF ON STEEL BEAMS

**INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA**

BUILDING - # 254

Equipment

PLANT: - White Lead

FEATURE: - Switch House

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
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Contents of Switch House owned by Northern Indiana Public Service Co.

BPL000000436

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ZINC OXIDE DIVISION

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BUILDING - # 300

Structure

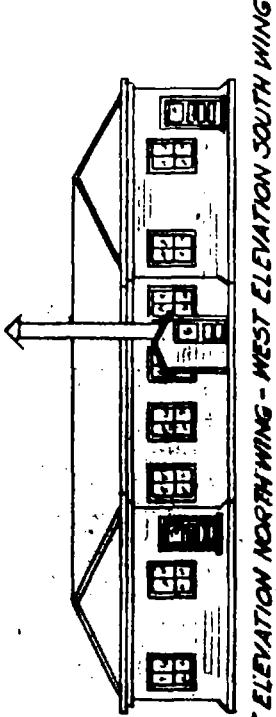
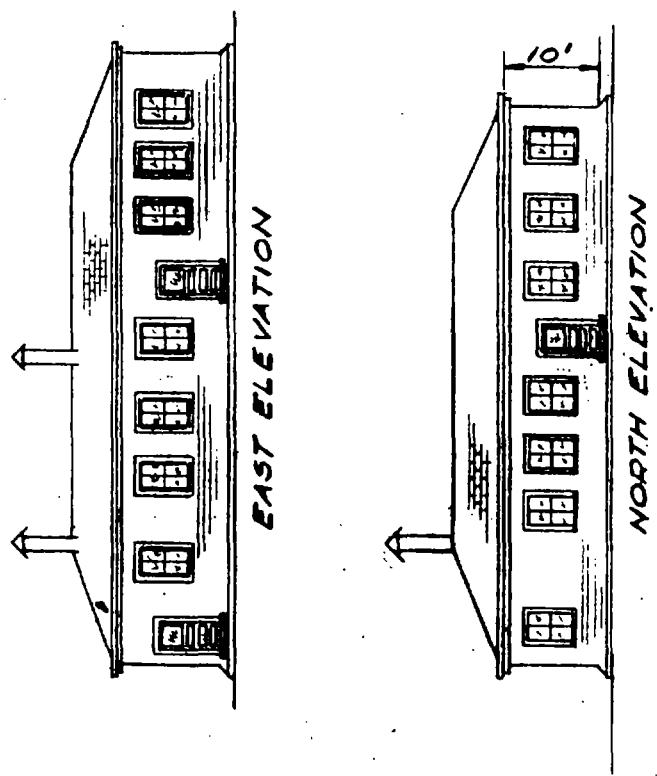
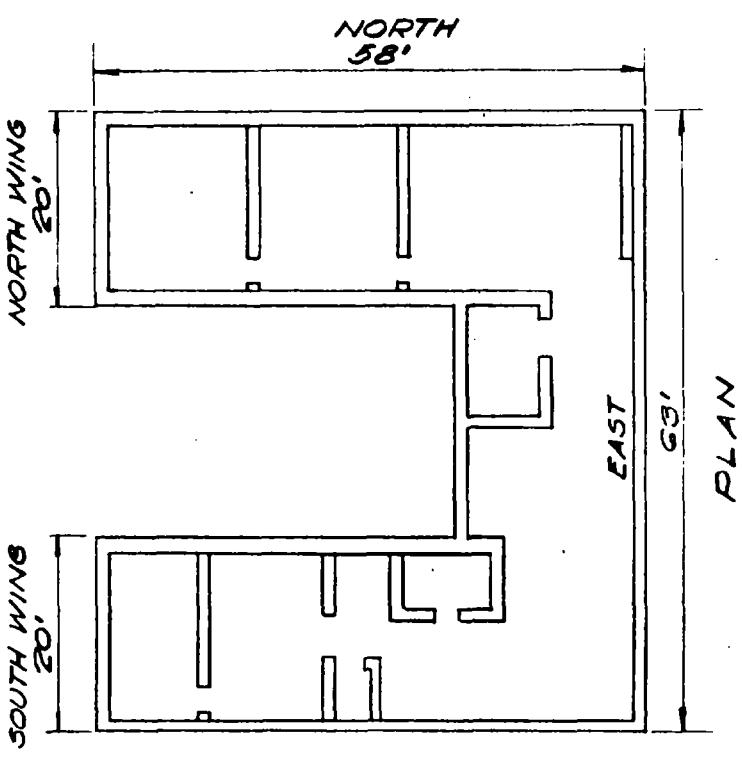
PLANT: - ZirconiaOxide

FEATURES: - Main laboratory

GENERAL DESCRIPTION

The Main Laboratory was constructed and equipped to do the routine analysis for the three plants. It is a one story wood building with wood sash and doors on a concrete and brick foundation. The roof is of composition shingles. Part of the interior is finished with lath and plastic and part in masonite.

The laboratory is fully equipped with mechanically ventilated hoods and chemical tables. Balance stands are of concrete that have foundations free of the building. A fire room, sample room, library, private office and ample storage for chemicals are a part of the structure.



WEST ELEVATION NORTH WING - WEST ELEVATION SOUTH WING

GENERAL LABORATORY
BUILDING NO 300

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BUILDING - # 500

PLANT - Zinc Oxide

Equipment

FEATURE - General Laboratory

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT</u>	
			<u>VALUE (NEW)</u>	<u>VALUE AS IS</u>
(Micro Laboratory)				
1	Hayrovsky Polarograph, Model 1B Sargent - Dripping Mercury Electrode	550	600	450
1	Analytical balance - Beckar's Sons - Fair condition - Complete with (Weights) New excellent condition	100	125	75
1	Sargent platform balance - nearly new	25	25	20
1	Electric drying oven - S 63995 110 Volts - 900 watt	35	35	20
1	Electric Stirrer - S 74605	7	8	5
1	International Centrifuge - Size 1 - Type C E. H. Sargent	155	135	70
1	Office table 3'0" x 5'0"	39	50	25
1	Revolving Desk Chair	17	25	15
1	Laboratory table and fume hood 17' 6" long 2'7" wide, 5'0" High - E.H.Sheldon Co. Table lead coated steel-Alberene Stone top Hood insulated Shellstone, Acid resisting finish Sheldon drawing B-41508 - Like new	990	1,800	600
1	Steel laboratory stool 22"	4	6	3
1	Table - wood	5	6	3
(Main Laboratory)				
1	5 Section Bookcase	40	55	25
1	Office table 5' x 6'	45	60	30
8	Chairs	73	80	40
2	Two section steel lockers 16" x 30" x 6'6" outside	80	90	15
2	Desk chairs	34	50	25
1	Office table 3' x 5'	39	50	25
1	Flat-top kneehole desk 2'8" x 5'	60	60	35
1	Marchant calculator	200	250	50
1	Evelyn photoelectric colorimeter, made by Rubicon Company #430, 650, 840, 850 filters, with D.C. battery and General Electric Tungar charger	350	570	180

BUILDING - # 300

Equipment

PLANT - Zinc Oxide

FEATURE - General Laboratory

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
(Main Laboratory)				
1	Christian Becker-Chainomatic Anal. Balance 0 - 1/10 gram on chain-sid type-fair condition With weights - poor condition	90 12	125 25	40 5
1	Haus Trenner-analytical balance No. 10 7" beam-sens. 1/10 milligram Good condition With Christian Becker magnetic damper -fair condition Weights A-1- condition	197 10 25	250 15 25	100 5 20
2	Fisher Balance illuminators 110 volts 60 cycle 18" long No. 1-968 Fluorescent (A-1-New) 5 laboratory stools - 22" high	25 18	25 15	14 6
1	Brown & unit electroanalyser - Mod. PG Sargent #36665 Length 32", Height 22" Width 14"	255	500	150
1	5 Gallon copper water tank with gas heater	25	50	15
2	5 Gallon copper water tank with electric heater	64	80	40
2	Electric hot plates 9" x 24" 220 volts	110	125	60
2	Gas hot plates 18" x 20"	50	40	20
2	Gas hot plates 18" x 40"	75	80	40
1	Hoskins electric furnace type F.B. 202 220 volts A.C. Sargent No. 36665 With rheostat #36665	75 18	80 24	40 12
1	Chemical rubber Co. Ignition furnace with pyrometer and rheostat 4" x 3-5/8" muffle	48	50	25
3	Laboratory stools 22" high	12	15	7
1	Weber electric drying oven 12" x 12" type B 110 volts A.C.	115	130	60
1	Danbe and Hopkins pulp balance Size A Considerably worn	25	50	15
1	Laboratory stool 21" high	6	8	4
2	Electric hot plates thermostatically controlled	11	15	9
(South Balance Room)				
1	Ainsworth chainomatic anal. balance #11044 - TTB 100 - gram rider beam A-1-condition Weights for same . Farman-Fisher Scient. Co.	125 25	150 25	75 15
1	Ainsworth Unilab-Analy. Balance type VMA #10555 A-1 condition. Weights for same	240 25	250 25	140 14

REVENUE - \$ 500

PLANT: - Zinc Oxide

Equipment

FEATURE: - General Laboratory

QUANTITY	DESCRIPTION DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	REPLACEMENT VALUE AS IS
<i>(Heavy Glass and Melting Room)</i>				
1	Thompson Analytical Balance - 1000 gm. capacity	100	500	100
	Weights for same	25	25	14
1	Ditto - No. 6 (12" x 14" x 6-1/2") 500 gm.	250	300	150
1	Becker anal. balance	100	100	75
1	Weights for normal 100 gm. balance	25	25	14
	20-1/2" diameter x 3" - 14" x 14" glass square bottom	50	45	35
<i>(Main Analytical Laboratory)</i>				
1	Thompson polyethylene - vessel condition	25	50	10
	25	25	10	5
2	Lab. wall tables- transite top-bottom shelf	40	80	40
	3 drawers 24-1/2" wide 30" high 16" wide	25	150	85
1	Ditto - 1 drawer 27" x 30" x 7-1/2" long	10	15	7
	Bucking Board 16" x 28" with Muller	25	30	15
1	Ditto 2-1/2" diameter 27" x 30" x 7-1/2" long	50	60	30
1	Ditto - 2 drawers 27" x 30" x 7-1/2" long	10	15	7
1	Ditto 2-1/2" diameter 27" x 30" x 7-1/2" long	10	15	7
1	Ditto 2-1/2" diameter 27" x 30" x 7-1/2" long	10	15	7
1	Ditto 2-1/2" diameter 27" x 30" x 7-1/2" long (also ordered)	10	15	7
1	Ditto wood top 27" wide 30" high 16" deep	10	15	7
1	Pine table plain 1 drawer 24" x 30" x 46-1/2"	5	10	5
1	Pine table plain 1 drawer 24" x 30" x 46-1/2"	5	10	5
1	Pine table plain 1 drawer 24" x 30" x 46-1/2"	5	10	5
1	Pine table plain 1 drawer 24" x 30" x 46-1/2"	5	10	5
1	Center table - 2 sinks- transite top-bottom	100	150	60
	Wing compartments - 15" x 10" x 30"	25	25	10
1	Wall table ceramic top with sink 24" x 40" x 6-1/2"	50	50	10
2	Laboratory double hooded wood frame. 4' wide	5	5	5
	Transit lined - tube base 35" wide 60" high 75" length	400	600	300
	1 cast iron fan and piping with motor for above	450	600	200
1	Shallow 8 compartment fume hood with cupboards	4	8	5
	wall-type 30" wide 30" high 10" deep	364	570	335
1	Ditto - cabinet-lined 12' high 40" deep 10' wide	450	550	280
1	Center laboratory table 40" long 6' wide, with stone sink and patent fume hood	618	700	350
2	Barthoware sinks 16" wide 34" long 10" deep inside	70	85	45
2	Barthoware sinks 16" wide 30" long 10" deep inside	70	85	45

BUILDING - # 500

Equipment

PLANT: - Zinc Oxide

FEATURES: - General Laboratory

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (1950)</u>	<u>VALUE AS IS</u>
1	(Assay Room and Grinding Room) American Gas Co. Assay-Muffle Furnace No. 2 14" x 24" x 6" Muffle-Gas Fired-High 22.	200	400	210
1	Ditto - No. 4 (12" x 14" x 5-1/2" Muffle)	200	500	150
1	Laboratory Rolling Mill - for metals 5-1/2" Diameter x 5" - 14" x 14" floor space (old)	92	140	80
2	Brown Pulverizers - type SA (old)	204	300	100
1	Denver Fire Clay - Jaw Crusher 5" x 5-1/2" (old)	75	100	25
1	Brick Board 15" x 25" with Muller 20 Board 4 Muller	26	50	15
2	Mller Cupel molds 1" and 1-1/2" + 26	72	90	60
1	Mechanist Vice 5-1/2" jaws	5	8	5
1	Sample dividers & Pan-Riffle 8" x 10" (New)	25	40	20
1	Sample dividers without pans 8" x 6" (Bad order)	20	50	15
1	Vacuum pump - Bench Russel Co. 6" pulley	50	70	50
1	Ward Standard crucible furnace #12 10-1/2" inside diameter by 9" high	16	20	10
1	Three comp. steel locker 18" x 48" 6'6" outside	20	42	18
1	Two comp. steel locker 18" x 50" 6'6" outside	20	42	18
1	Gas comp. steel locker 18" x 18" 6'6" outside	20	42	18
1	Hot water tank (90 - 100 gallons)	20	50	10
1	Center table steel top 28" wide 8' long 33" high	20	25	10
1	Table 22" wide 37" high 41" long 1 drawer	4	6	3
2	Tables 18" wide 32" high 34" long	4	6	3
1	Table 22" wide 38" high 45" long	4	6	3
1	Table 37" wide 37" high 50" long	20	30	10
1	Table 34" wide 51" high 60" long (old desk)	2	4	1
1	Hot water tank 50 gallon	15	20	10

BUILDING - # 300

Equipment

PLANT - Zinc Oxide

FEATURE - General Laboratory

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
(STORE ROOM)				
1	Hamilton Beach # 24 cylinder type vacuum cleaner	40	60	20
1	Schoen and Company analytical balance (poor condition)	80	120	20
1	Platform balance 5" pans - Weights to 2 Kilos (poor condition)	27	40	10
1	Electric Furnace - Genco # 15651A - Geesley made 700 watt # 5651A - Serial 4390 with rheostat (needs repair)	27	50	10
2	Muffles- fireclay 15" x 24" x 6" for #7 assay furnace	15	14	10
2	Muffles - Silcar for #6 assay furnace	10	12	8
1	Sargent electric drying oven (needs repair)	20	40	10
1	6" Electric hot plate circular (needs repair)	5	10	2
1	Thompson Pulp balance (poor condition)	20	40	5
1	Thompson Silver balance #5061 (poor condition)	175	200	25
1	Ainsworth anal. balance #7607 (poor condition)	80	120	20
1	Double section shelves 3'4" x 14'4" x 30"	45	60	30
1	Single section shelves 3'4" x 14'4" x 16"	20	30	15
1	Bench 20' x 24" x 14'6"	8	16	4
	Chemicals and glassware	670	700	500
(PLATINUM)				
	Electrodes 101.85 grams			
	Dish (1) 64.40 "			
	Wire .70 "			
	Gauze (filter) 6.80 "			
	Crucibles (2) 50.00 "			
	Labor of Handling and Installation	1,094	1,307	659
	TOTALS	\$12,040	\$14,378	\$7,036

BUILDING - 6502

Structure:

PLANT - Oxide

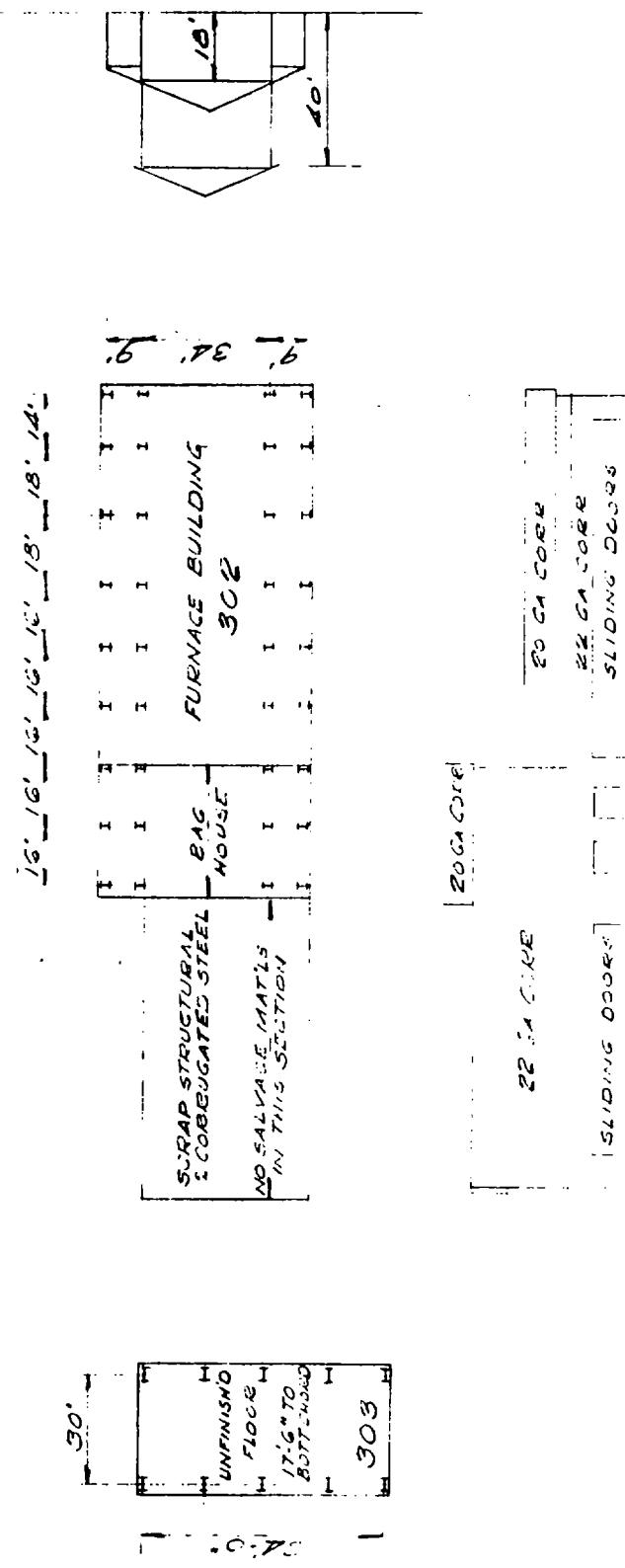
FEATURES - American Block

GENERAL DESCRIPTION

The American Block is an American Process Zinc Oxide plant and is a unit in itself. The west portion of the structure houses the bag houses for the collection of fume, the east end contains the furnaces. The building is constructed with concrete foundations and floors and of steel frame and corrugated iron roof and siding.

The doors are of steel, the doors of wood.

The equipment consists of four six retort furnaces with under fire blowers and ample fine cooling for the gases which are induced to the fan and blown on through the bags. Bags are of asbestos. One furnace is partly dismantled at present.



AMERICAN OXIDE BLOCK
BUILDINGS N° 302 & 303
STEEL & CORRUGATED IRON

INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO - INDIANA

BPL000000446

BUILDING - #302

Equipment

PLANT: - Zinc Oxide

FEATURE: - Warehouse Material

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Concrete Mixer - Scrap	\$ 800	\$1,800	\$ 15
19	Braves Wing-type Feeders - Scrap	1,425	1,800	60
2	Round Tanks, 32" diameter, 30" high originally for arc-light painting test - Scrap	100	125	1
50	Bales Oxide Bags	800	800	150
1	Painters Scaffold, swing stage 20" wide 80 ft. long, complete with two hangers	40	75	20
8	6" I-beams, 24 ft. long, approximately 750 lbs., 3 x 8 x 1/4 angle iron miscellaneous lengths, all new material	20	30	20
3	Rolls, 34" diameter, 6 ft. long, 1-1/2" thick felt	50	50	10
12	Pieces Galvanized, corrugated sheet steel 23" x 80', new material	12	24	8
600	Fire Brick for American Block Furnace Arch, 10-1/2" x 11" x 6" - Scrap			
6	Rolls Snow Fencing	12	12	5
1	Buffalo Blower 60" diameter, 18" wide outlet 18" x 18", two sides intakes 18" x 22" complete with Ball Bearing Pillow blocks, one flat pulley 10" diameter, 12" face	50	75	10
1	Octagon Sheet Iron Cylinder 38" diameter, 10 ft. long, 18" opening at each end.	50	75	5
22	Steel Drums filled with Carburendum for arch or muffle furnace - Scrap			
2	Barrels Rock Wool Insulation - Scrap			
2	Bags Rock Wool Insulation - Scrap			
	Miscellaneous Wooden Forms for furnace arches - Scrap			
12	Waste paper containers, 18" diameter, 18" high - Scrap			
2	Steel Platforms 16 ft. wide, 10 ft. long - Scrap	40	60	10
24	Ft. Sliding Door Track and hangers - Scrap	20	50	10
1	Length 8-1/2" Iron Pipe - Scrap			

BUILDING - #302

Equipment

PLANT: - Grid

FEATURE: - American Blower

QUANTITY	DESCRIPTION	LOT	ORIGINAL COST	REPLACEMENT VALUE (MM)	VALUE AS IS
24	Foot Flue Pipe 36" diameter		\$0,000	\$0,040	\$0,000
325	Foot Flue Pipe 36" diameter				
595	Foot Flue Pipe 36" diameter				
270	Foot Flue Pipe 36" diameter				
8	Hubs, 90 degrees, 36" diameter		480	560	240
4	Hubs, 90 degrees, 36" diameter		340	380	180
1	"", two 45" sq. openings, flanging 36" diameter		80	180	40
1	Fan opening from 36" dia. to 36" sq.		80	100	40
1	Fan opening from 36" dia. to 36" sq.		80	100	40
50	Steel Angle Iron Supports, 4" x 6" x 1/8" x 20 ft. with rough floor plates		800	1,200	500
60	Steel Channel Beams, 6" x 14 ft.		560	600	240
	Miscellaneous cross braces and walkways		800	1,200	500
4	Hopper Settlers 8 ft. long, 4 ft. wide, 8 ft. high, two 12" openings at bottom		800	1,000	400
1	Steel Platform, complete with stairway, 18' x 18' x 30" wide		400	600	200
18	Hoppers 24" x 36" x 26 ft. long, 14 nipples 26" x 48" tapered to a pipe 16" long, 16" diameter, damper in each. Hopper has hole 36" diameter in top.		4,800	6,000	2,000
2	Hoppers 7' x 21', nipples are 48" x 42" x 24" tapered to a pipe 16" long, 16" diameter, damper in each. Hopper has opening in top 36" diameter		600	1,000	500
2	Hoppers, 21' ft. long, 28 inches wide, nipples 48" x 30" tapered to pipe 16" long, 16" dia., damper in each.		600	1,000	500
200	Bags Asbestos, 30 inches diameter, approx. 30 ft. long		7,000	10,000	1,000
200	Ft. Walkway, complete with hand rail		600	800	400
500	Ft. 1/2" Conduit		180	200	80
20	Light Fixtures		200	400	160
5	American Block Furnaces, one partly dismantled		36,000	45,000	7,000
150	Ft. Round Air Dust Piping, 6" diameter)		8,000	4,000	800
60	" " " " , 12" "				
60	" " " " , 16" "				
470	Ft. Brick Flue, 36" wide, 36" high with 16" arch on top		4,700	10,000	800

BUILDING - #302

PLANT: - Zinc Oxide

Equipment

FEATURE: - American Blower

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
2	Steel Platforms with wooden floors, 22 ft. long, 6 ft. high and 30" wide	\$ 170	\$ 200	\$ 85
1	Iron Fireman Stoker, size 4-4, type SID, Serial No. CG-8888, complete except for motor	1,300	1,400	400
3	Air Cylinders, for door openers, 4" dia. x 20" length	105	120	45
1	Air Cylinder for door opener, 4" dia. x 20" length	35	60	10
2	Air Cylinders for door openers, home made type, 6" dia., 24" length	80	120	30
12	Overhead light fixtures	120	240	96
5	Two-wheeled charge buggies with built-up sides, formerly concrete buggies	250	375	25
2	Four-wheel trucks, 48" wide, 60" long and 24" deep	150	250	50
3	Clinker Wheel Barrows	45	75	15
1	Fairbanks Scale, double beam, graduated to 500 lbs. each. Built in floor platform, 48" x 52", no name plate data	800	1,100	300
700	Pt. Monorail track, including steel supports	2,500	3,500	1,400
4	Maya Damper Controls	600	800	120
4	Automatic Fine Dampers 30" x 30", driven by 1/2 H.P., 440 volt motor, with built-in gear reducer. Tachometer, catalogue #MAB-5842X, 14 RPM, inches - pounds - torque 29. Co. Tag #191-B. (NOTE) Only three motors complete with two 50 limit switches	1,000	1,500	400
4	Clark Control Reverse Starter	95	120	60
1	50 ampere I.E.C. Circuit Breaker complete with steel cabinet	50	40	20
2	Allison Pelister Draft Gauges, Range 0 to 4	30	40	12
1	Power Distribution Cabinet, 30" x 36" x 36"	45	55	30
6	Three 100 ampere I.E.C. Circuit Breaker	750	900	450

BPL000000449

BUILDING - #308

PLANT: - Zinc Oxide

Equipment

FEATURE: - American Blower

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT		VALUE AS IS
				VALUE (MM)	
1	Light Distribution Cabinet 20" x 20", 18 circuit, 100 amperes	\$ 75	\$ 95		\$ 25
1	E. J. Sturtevant Blower, zinc 6255, No. 112555. Cast Iron intake opening 18" diameter, outlet 15" diameter, coupled directly to Sturtevant motor, 20 H.P., 440 volts, 1800 RPM, Company tag #0748, including outlet baffle, compensating band starter	150	200		60
			110	150	100
			55	100	50
1	10 amperes Square D Safety Switch	20	30		10
1	Clark Automatic A.C. Starter 25 H.P., 440 volts	25	35		20
1	Blower, Buffalo Forge Co. No. 6 driven by 10 H.P., 1800 RPM, 440 volts, Co. tag No. 50-5	150	125		60
			110	125	60
1	Steel Instrument Cabinet, three glass doors, 40" x 24" x 18"	40	50		15
4	Clark Size No. 1 Starters	55	60		30
500	Pt. 2" Conduit	750	1,000		300
700	Pt. Size 1/2" Rubber Covered Wire	2,000	2,400		1,000
5,000	Pt. No. 14 Rubber Covered Wire	150	180		75
1,000	Pt. No. 8 Rubber Covered Wire	200	250		150
300	Pt. No. 6 Rubber Covered Wire	50	70		30
500	Pt. 1-1/2" Conduit	200	250		100
200	Pt. 3/4" Conduit	50	70		30
500	Pt. 1" Conduit	170	200		85
500	Pt. 3/4" Iron Pipe	40	60		30
1	60 ampere I.T.E. Circuit Breaker complete in steel cabinet	30	40		20
2	50 Ampere Pulse Rectifiers	50	50		10
1	10 Circuit I.T.E. Light Panel Board, 50 amperes, 250 volts, to 110 volts	65	75		30
20	Piles, approximately 300 cubic feet, oxide canvas bags	1,200	1,200		800
1	Angle Iron Tool Rack, miscellaneous rakes, scrapers, etc.	500	750		100
Labor of Handling and Installation		<u>15,141</u>	<u>20,375</u>		<u>15,081</u>
TOTALS		\$118,580	\$141,925		\$45,700

BUILDING - # 503

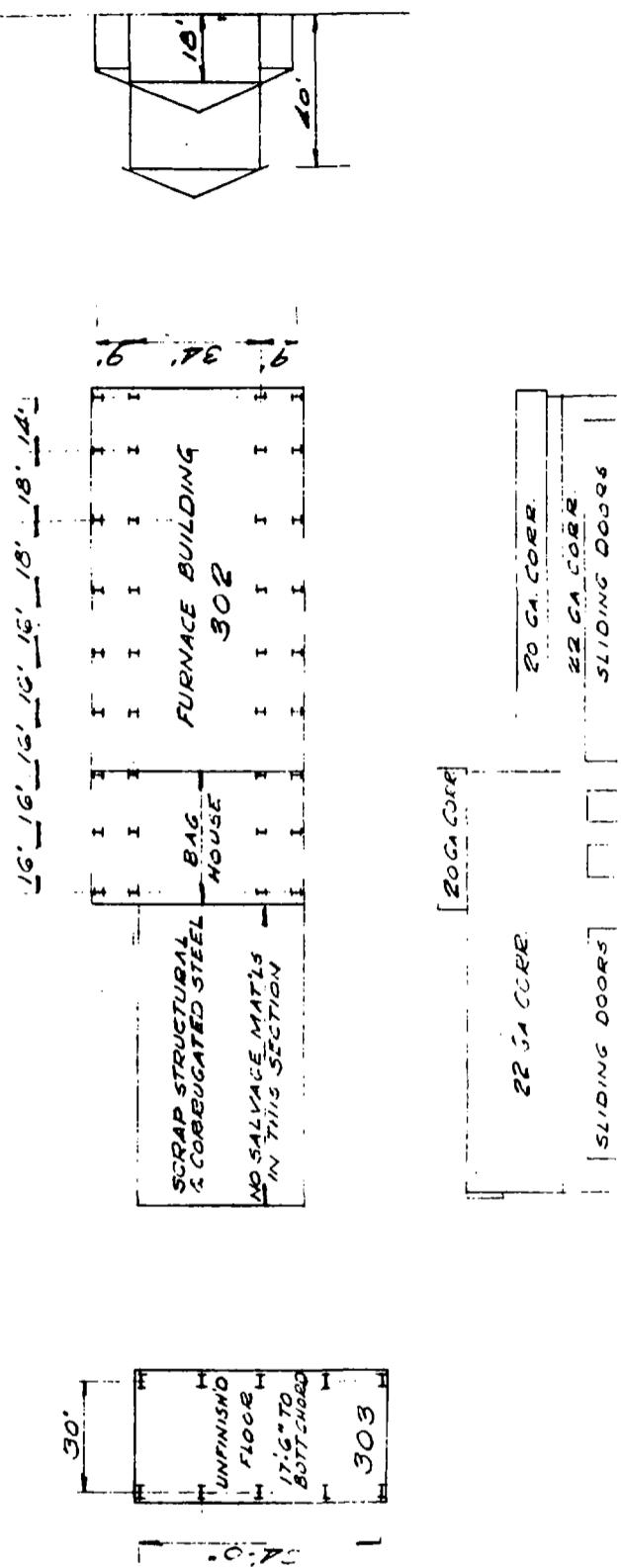
Structure

PLANT: - Zinc Oxide

FEATURE: - Machinery Shed

GENERAL DESCRIPTION

The Machinery Shed was built of corrugated iron and steel on concrete foundations for the storage of miscellaneous equipment. At the present time the building is being rebuilt to house a loaded mine packing plant with a loading platform at car door level. There is no equipment within the building. The foundation walls are 50% complete and the floor fill is 50% complete.



AMERICAN OXIDE BLOCK
BUILDINGS NO 302 & 303
STEEL & CORRUGATED IRON

INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO - INDIANA

BPL000000452

BUILDING - #304

Structure

PLANT - Grids

FEATURES - Fan

GENERAL DESCRIPTION

The fans for the handling of American Process Fume are located beneath the flumes. One enclosed in fan house, the other outside.

BPL000000453

BUILDING: - #304

PLANT: - LindeOxide

Equipment

FEATURE: - Fan

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>REPLACEMENT</u>		
		<u>ORIGINAL COST</u>	<u>VALUE (NEW)</u>	<u>VALUE AS IS</u>
2	Blowers, 10 ft. diameter, 8'6" wide, intake on both sides 3' x 3'6", outlet 3' x 2'6", shaft 5" x 9'8", shaft drilled for water cooling water connections on end of shafts. Shaft mounted on double row ball bearing pillow blocks. Blower same as above except shafts 4-1/8" on ends and mounted on Babbitt pillow blocks.	\$8,000	\$8,000	\$1,000
1	24" diameter, 18" face, 5" bore Flat Pulley	55	50	10
1	32" diameter, 18" face, 4-1/2" bore Flat Pulley	60	60	15
1	18", 5 groove, 5-1/4" bore V-belt Pulley	40	50	25
	Labor of Handling and Installation	<u>215</u>	<u>315</u>	<u>105</u>
	TOTALS	\$2,330	\$3,475	\$1,155

BUILDING - #806

Structure

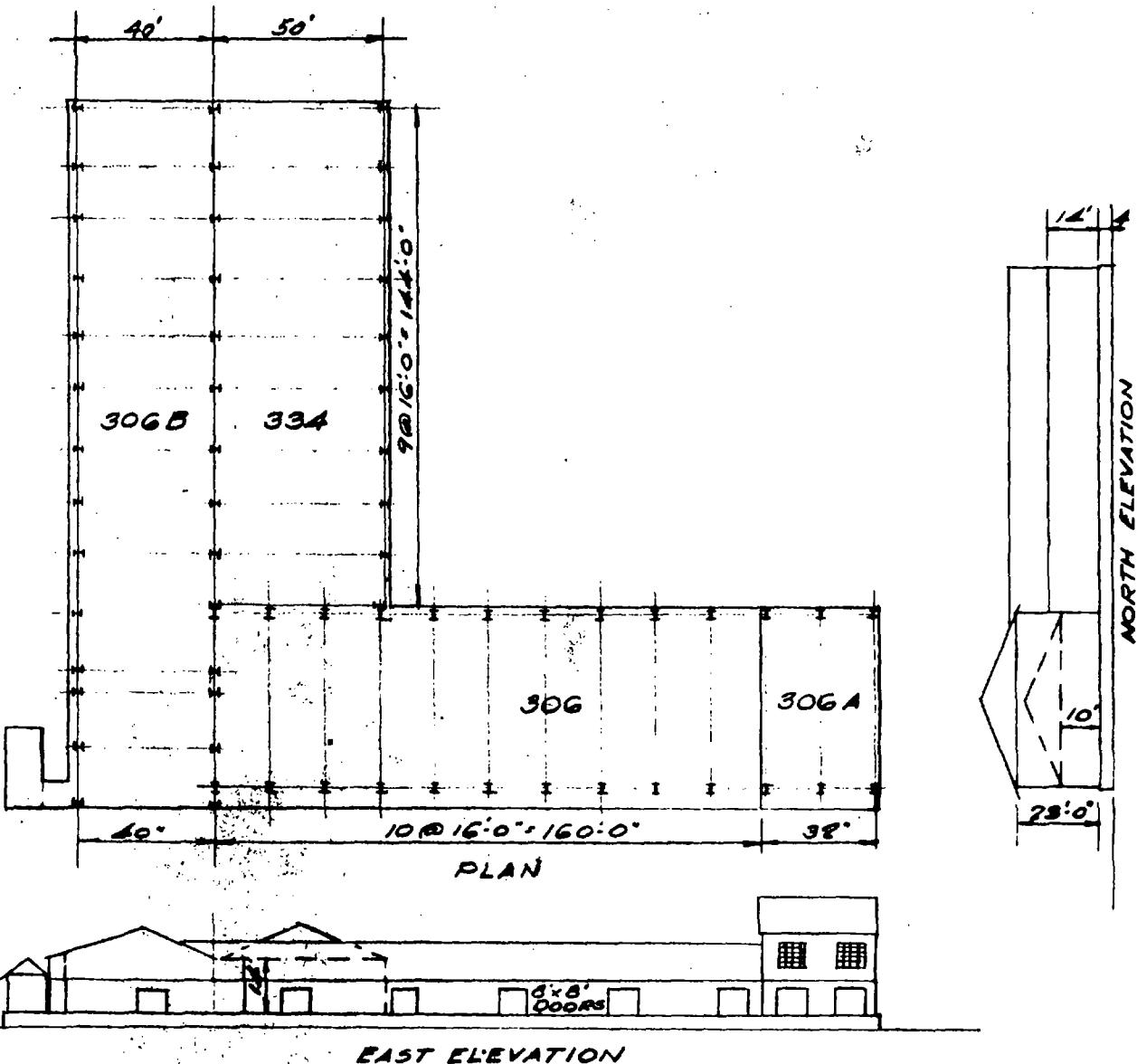
PLANT - Zinc Oxide

FEATURE - Warehouse

GENERAL DESCRIPTION

Warehouse Building #806 is built on concrete retaining walls with a concrete floor at ear floor level laid on sand fill. The building is corrugated iron on steel throughout with two brick firewalls to the ceiling to segregate combustable material. Openings in fire wall are closed with metal clad fire doors. A covered and housed loading platform extends the entire length of the building. Sash are of steel, doors of wood.

The equipment consists of the necessary wood skids, and Kivall Parker battery driven fork truck, a charging rack, and an air operated bag press.



OXIDE WAREHOUSES
BLOCKS 306, 306A-B, 334
STEEL & CORRUGATED IRON

SCALE 1" = 40'

INTERNATIONAL ARCHITECTURE

BPL000000456

BUILDING - #306

Equipment

PLANT: - Zinc Oxide

FEATURE: - Warehouse

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL COST	VALUE (NEW)	
5	2-Wheel Trucks	\$ 40	\$ 60	\$ 20
8	2-Wheel Barrel Trucks	30	45	15
2	Golson Skid Trucks	30	40	20
1	Extension Cord at Loading Dock	5	6	2
29	Light Fixtures	420	500	200
1	Watson Motor Generator Complete Shop Motor No. 2-78, 5 H.P., 1750 RPM Shop Generator No. 152-3	67 550	80 480	40 180
1	Storage Battery No. 6	750	900	200
5	Battery Racks, steel constructed, length 36", width 24", height 31"	150	200	75
1	10 ft. Barrel Skid	10	15	5
1	Automatic St. Regis Bag Packer, 2 crates	2,700	2,900	2,700
1	Double Air Cylinder Bag Press, 48" x 60"	1,000	1,200	600
1	Lewis Sheppard Stacker, Shop Motor No. 34-B, 5 H.P., 1750 RPM	125 67	200 80	75 40
1	Hewitt Parker Fork Truck, used for loading cars and stacking bags	5,000	6,000	3,000
1	Stencil Cutting Machine	125	150	50
1	Extra Pair of Hewitt Fork Forks	50	60	30
1	Warner Electric Fire Detector Alarm Labor of Handling and Installation	225	275	110
	<u>TOTALS</u>	<u>1,116</u>	<u>1,326</u>	<u>750</u>
		<u>\$18,260</u>	<u>\$14,560</u>	<u>\$8,110</u>
		<u> </u>	<u> </u>	<u> </u>

BUILDING - #806-A

Structure

PLANT - Zinc Oxide

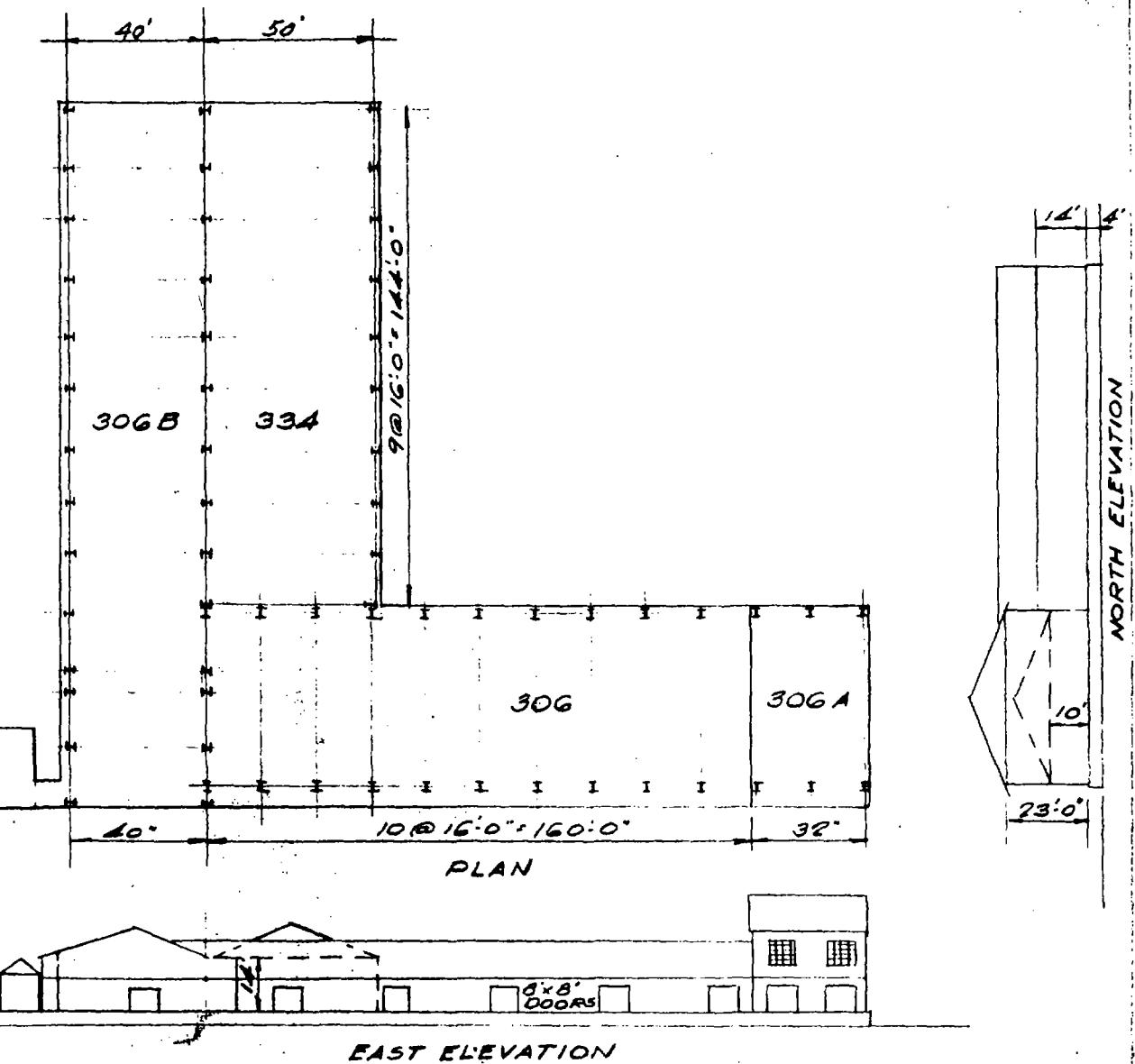
FEATURE - Packer Building

GENERAL DESCRIPTION

The Packer Building was designed to screen, mix and pack Zinc Oxide for the trade. It is built on concrete retaining walls with a concrete floor at car floor level laid on sand fill. The building is of corrugated iron on steel with the second floor of wood on steel. A concrete basement extends under about 20% of the building.

The equipment consists of monorails, mixers, elevators, screens, bins, packers, scales and ventilation for the purpose of blending, barreling and packing oxides.

BPL000000458



OXIDE WAREHOUSES
BLOCKS 306, 306A-B, 334
STEEL & CORRUGATED IRON

SCALE 1:40

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO, INDIANA

BPL000000459

BUILDING - #306-A

Equipment

PLANT: - Zinc Oxide

FEATURE: - Oxide Packing Room

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Kale Hydraulic Lift used for conveying skids away from packers	\$ 500	\$ 500	\$ 200
1	Buffalo Forge Blower used at packers as a man cooler Motor Shop #33 Intake 9" dia., exhaust 9" dia., Motor 3 H.P., 1800 RPM	100 85	180 65	50 30
1	Trans Steam Heater used at packers for heating purposes. Shop Motor #B-152 1/6 H.P., 1140 RPM, 115 volts	150 15	180 15	60 9
1	Hewell Gas Heating Stove used at the packers for heating purposes	25	30	10
1	Fairbanks Beam Platform Pit Scale used at packers for weighing skids, 8' x 6' platform, 5,000 lb. capacity	600	800	300
1	Fairbanks Springless Dial Pit Scale, Platform 40" x 45", 1,000 lb. capacity x 1 lb.	500	700	200
2	2-Wheeled hand truck used for hauling cans around the Warehouse	20	30	10
2	Bee Mixing Units used for mixing lead in Zinc Oxide Size of hoppers 3' x 9'6", Motor Driven Shop Motor No. B-53- 7-1/2 H.P., 1800 RPM Shop Motor No. B-104 7-1/2 H.P., 900 RPM	600 110 140	700 180 170	300 60 80
1	Screw Conveyor, Shop Motor #144, 3 HP, 1750 RPM	35	65	30
3	Mugal Packer used for bagging Zinc Oxide No. 1 Packer Shop Motor #B-26, 5 HP, 1800 RPM No. 2 Packer Shop Motor #B-166, 5 HP, 1800 RPM No. 3 Packer Shop Motor #B-167, 5 HP, 1800 RPM	85 85 85	105 105 105	45 45 45
1	American Blower used as Dust Collector, Shop Motor #74-A, 5 HP, 3400 RPM	150 70	200 65	70 40
20	Draver Feeders complete with Ratchet and Drive Shafts	LOT	3,856	900
4	Extra Draver Feeders			
5	Draver Master Drives for Feeders	400	500	100
4	Small Aluminum Exact Weight Scales. Used at the packers for weighing bagged oxide	400	500	200
2	Large Exact Weight Scales. Used at packers for weighing bagged oxide	600	700	300
	Miscellaneous parts for packer screws	60	70	20

BPL000000460

BUILDING - 7804-A

PLANT - Zinc Oxide

Equipment

FEATURE - Oxide Packing Room

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
5	Barrel Packing Tubes	\$ 90	\$ 120	\$ 90
3	Link Belt Elevators, width 36", breadth 38", height 54" Nos. 1 and 3 Elevators driven from a counter shaft Motor No. C-1 No. 2 Elevator driven by direct drive line shaft, shop motor #40-28	2,000 290 100 65	2,500 350 125 90	1,000 160 50 40
2	17 to 1 Foot Speed Reducer used on elevator drive	160	200	80
1	Wolf Belter used to screen Zinc Oxide and Lead	500	420	100
9	Extra Belters, Screens various sizes each screen	225	300	100
1	Assembled Motor and Speed Reducer Drive Shop Motor No. A-182	65	105	45
6	Rotox used for screening Zinc Oxide	4,000	5,000	1,500
6	Rotox Motors, Shop numbers are: B-47 B-92 B-48 B-93 B-49 B-94 B-106 B-95	425	510	225
36	Feet of 6" Screw Conveyor	800	225	100
60	Feet of 9" Screw Conveyor	45	60	35
54	Feet of 10" Screw Conveyor	400	645	200
18	Feet of 2-15/16" Line Shaft)	125	150	40
56	Feet of 1-15/16" Line Shaft)			
3	Gedwell Bevel Gear Drives used over Oxide Packer Hoppers	150	200	75
2	Oversized Hoppers, measurements 52" x 52" x 60"	50	50	30
2	36" x 54" Hoppers used as gravity feed to packers	50	40	15
1	American Electric Hoist used for hoisting Oxide buggies from low line to dump platform Motor Shop No. 243 with monorail track attached	200 65	240 100	100 40
150	Feet of Monorail	400	525	300

BUILDING - #506-A

Equipment

PLANT - Zinc Oxide

FEATURE - Oxide Packing Room

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL COST	VALUE (MM)	
16	Single Throw Switch	\$ 150	\$ 320	\$ 75
18	Monorail curves, various pitches	400	876	178
84	Monorail Buggies	1,800	1,800	600
1	500 lb. Geiss Electric Hoist used at Lead Mine	300	300	100
	Labor or Handling and Installation	<u>8,011</u>	<u>8,776</u>	<u>831</u>
	TOTALS	\$22,090	\$28,950	\$9,140

BPL000000462

BUILDING - #306-B

Structure

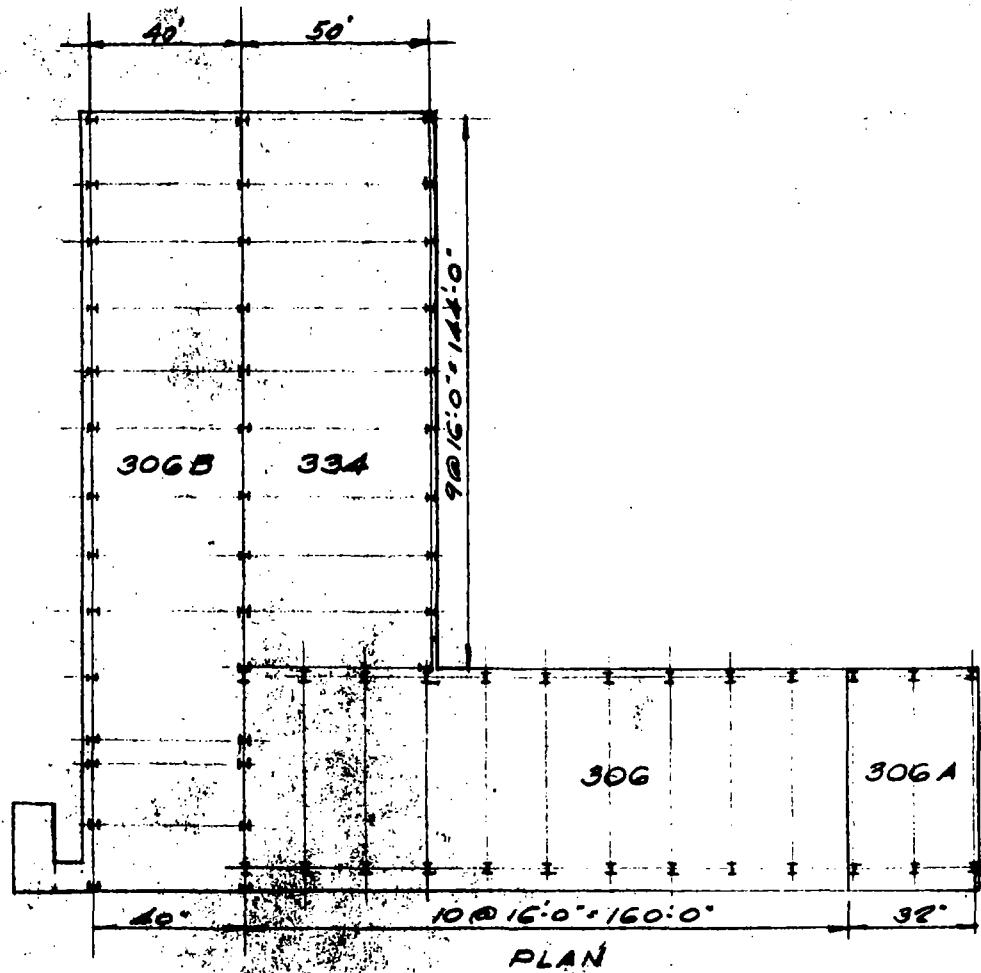
PLANT: - Zinc Grids

FEATURE: - Warehouse

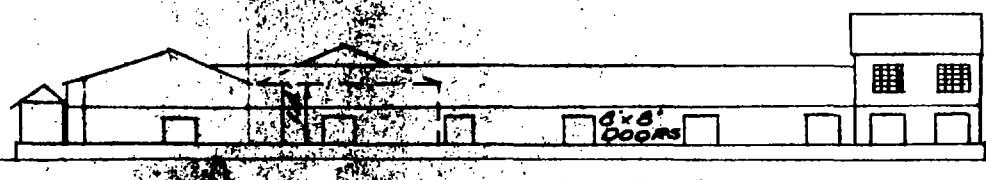
GENERAL DESCRIPTION

Warehouse Building #306-B is built on concrete retaining walls with a floor at ear floor level laid on sand fill. The building is of corrugated iron on steel with steel back and wood doors. A load area is housed in the west end that will accommodate three trailers or trucks at a time. The three loading stalls are closed by overhead roller doors. This area is paved with asphalt mastic. A loft over the loading area is provided by placing expanded metal trusses on the lower flange of the roof truss. It is floored with wood and used a storage for lead-in-oil cans. A standard underwriters side door connects the southeast corner of the warehouse with the shop. This building connects with #306 and #304 and has dock space on the east end.

The only equipment in this building is the wooden skids used for the storage of bags and barrels.



PLAN



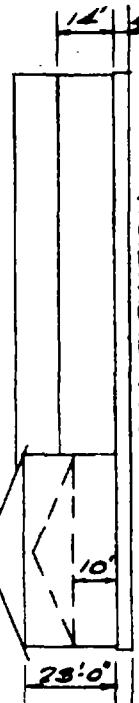
EAST ELEVATION

WAREHOUSES
306B, 334
CORRUGATED IRON

SCALE 1"

INTERNATIONAL

BPL000000464



NORTH ELEVATION

BUILDING - # 507

STRUCTURE

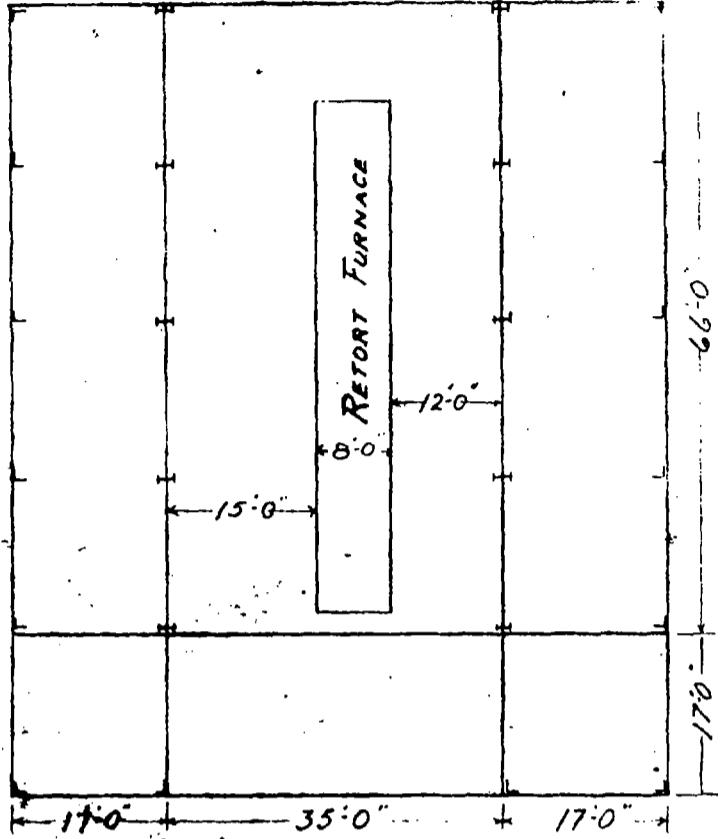
PLANT - Zinc Oxide

FEATURE - Furnace Building
(French Process)

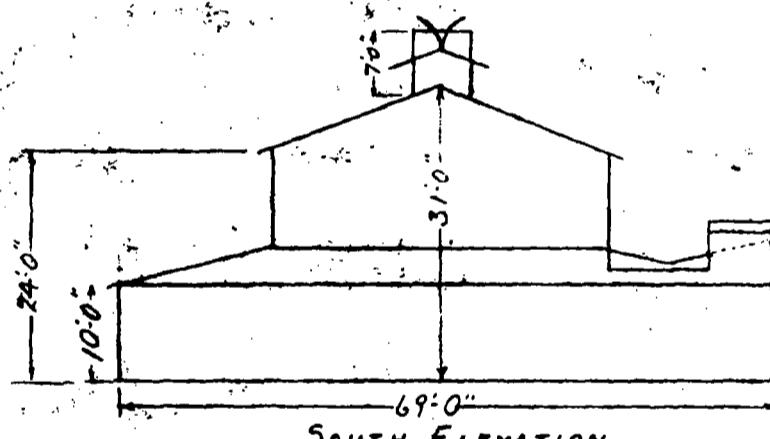
GENERAL DESCRIPTION

Furnace Building # 507 was constructed to house the French Process Furnace rehelter retorts and a waste heat boiler. The building is of corrugated iron on steel supported on concrete foundations with a concrete floor. The doors and sash are of wood.

The equipment consists of the furnace retorts and waste heat boiler with feed pump etc. The flow and return monorail system to the Packer Building # 506A also goes through this building. Storage space for zinc metal used in the retorts and a zinc breaker are also housed here.



PLAN



SOUTH ELEVATION

FURNACE BUILDING NO 1

FRENCH PROCESS

307

ALL STEEL CONSTRUCTION
CORR. ROOF AND SIDING.
CONCRETE FLOOR

INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO - INDIANA.

BPL000000466

BUILDING - # 307

Equipment

PLANT - Zinc Oxide

FURNACE - Furnace Building
(French Process)

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (1958)</u>	<u>VALUE AS IS</u>
1	Complete waste heat boiler (Raige)	2,000	5,000	800
1	O.E. electric water cooler	110	550	100
2	American steam water pump, water intake 3" diameter, discharge 1-1/4" diameter, steam intake 1/2" diameter exhaust 3/4"	400	600	50
1	Orechane water heater	300	400	20
18	Re-heat boxes 48" x 34" x 27"	400	600	100
45	Foot monorail track	155	150	60
1	Cleveland Tramrail hoist Model A	300	400	200
1	Bradley trip hammer used for breaking zinc, Co. motor tag 6M 5 HP 1800 RPM	1,000 88	1,800 108	400 50
8	Complete French furnaces, 15 retorts each operated by Hanek 4" oil burners	16,000	12,000	4,000
	Miscellaneous furnace tools	50	100	40
1	Buffalo Forge Blower, 14" diameter intake 14" diameter discharge Co. motor tag 115 used on Dresser dust collector 7-1/2 HP 1800 RPM	150 92	200 110	80 50
1	Complete Dresser central assembly, consists Dresser speed reducer # 2075 Co. motor tag 116	1,200	1,200	500
1	Centrifugal compressor, complete built-in motor Co. tag 1AB 1HP 5400 RPM	50 70	100 85	45 40
1	Limb-Belt elevator 10" x 22" x 22' used on reheat, driven by chain drive, Co. tag 20B 2 HP 900 RPM	340 50	440 50	170 50
72	Foot 34" diameter zinc pipe	600	750	500
5	Ellis 34" diameter	100	150	80
4	X connections 34" diameter	150	200	70
6	Damper controls 34" diameter	300	340	160
2	Air cylinders, to operate furnace doors Hanke	70	80	50
1	Gage, used for removing buggies from pecker platform, counter weight control	300	300	75
	Labor of Handling and Installing	1,824	2,344	750
	TOTALS	\$20,069	\$26,804	\$8,129

BUILDING - #308

Structure

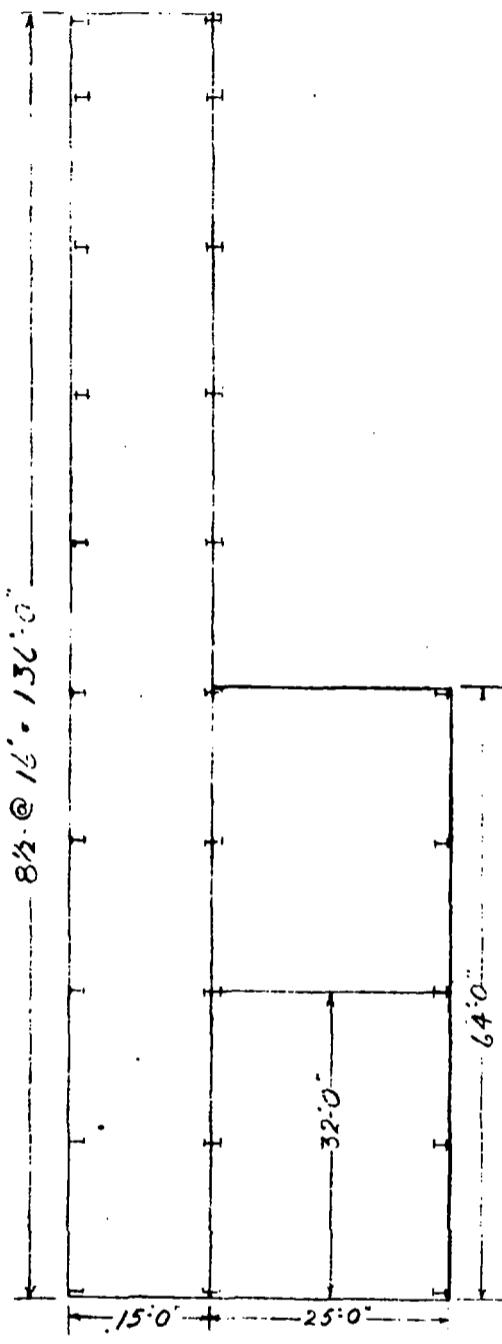
PLANT: - Zinc Oxide

FEATURE: - Settler Building

GENERAL DESCRIPTION

The Settler Building was constructed to house the settler which is an enlarged section of the flue with bin bottoms in which some of the copper particles of zinc oxide settle out on their way to the Bag House. The building is of corrugated iron on structural steel with concrete foundations.

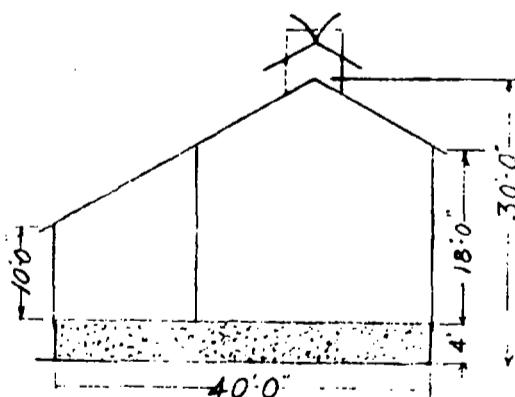
The equipment consists of the bins noted above with fan and drive.



SETTLER BUILDING

#308

ALL STEEL CONSTRUCTION.
CORR. ROOF AND SIDING.
CONCRETE FOUNDATION & FLOOR.



INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BPL000000469

BUILDING - #308

Equipment

PLANT: Zinc Oxide

FEATURE: Settler Building

QUANTITY	DESCRIPTION	REPLACEMENT		
		ORIGINAL COST	VALUE (NEW)	VALUE AS IS
1	Buffalo Blower, double intake 34" x 40" exhaust 34" x 39"	\$1,000	\$1,000	\$ 500
1	Variable Reeves Transmission Machine, used Buffalo Blower, belt drive, Company Motor Tag No. 72-8	1,000 400	1,000 400	600 250
2	Bristol Recording Clocks	225	225	120
4	Settler Hoppers, 14" x 8' x 6'	1,000	2,000	800
11	Iron Leg Skids, wooden platform 48" x 54" Angle Iron Bound	155	220	90
1	Bagging Hopper 42" x 62" x 59" suspended on 5" angle iron legs, 5 ft. high	600	800	300
178	Pt. Monorail Track	534	712	250
7	Curves, various degrees	250	350	75
4	Single Throw Switches	175	200	60
	Labor of Handling & Installation	500	1,000	500
	TOTALS	\$6,549	\$8,617	\$3,608

BUILDING - #509

Structure

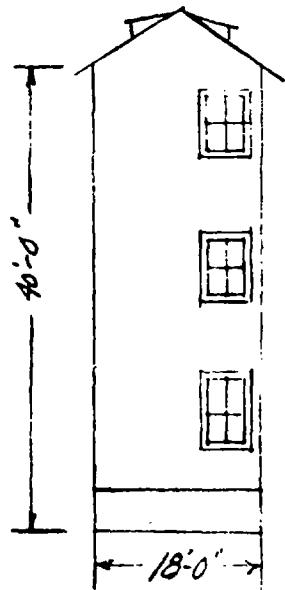
PLANT: - Zinc Oxide

FEATURE: - Bag House (French Process)

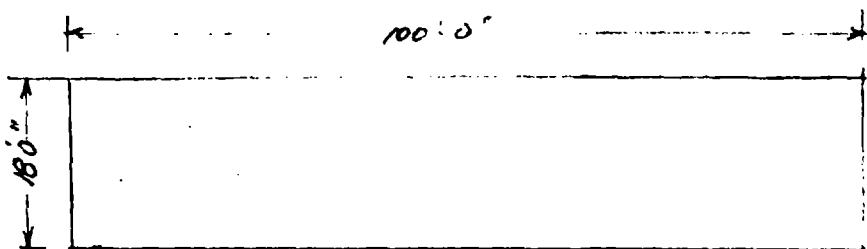
GENERAL DESCRIPTION

The French Process Bag House was constructed to collect fume from the French Furnace housed in Building #307. The building is built on concrete retaining walls with a concrete floor 4'0" above grade on sand fill. The building is of corrugated iron on structural steel with wood sash. Doors are corrugated iron on wood.

The building houses framework for carrying the fines and bags with collector bins at the bottom and a monorail to transport the oxide to the blending and packing building.



SOUTH ELEVATION



PLAN

OXIDE BAG HOUSE BLDG # 309
CORRUGATED IRON ON STEEL
CONCRETE FOUNDATIONS.

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO, INDIANA.

BPL000000472

BUILDING - fscs

Equipment

PLANT: - Zinc Oxide

FEATURE: - Bag House (French Process)

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
5	Single 6-hole Baghouse Receiving Hoppers	\$ 700	\$ 900	\$ 550
6	Double 12-hole Baghouse Receiving Hoppers	1,800	1,800	800
48	Pt. 30" Header Pipe with nine 30" diameter outlets, two 30" diameter inlets	500	600	300
1	Monorail equipped Dial Scale, capacity 5,000 lbs.	700	800	300
135	Pt. Monorail Track	405	540	175
1	3-way Switch	35	50	30
4	Single Throw Switches	140	200	50
	Labor of Handling and Installation	400	400	100
	TOTAL	\$4,400	\$6,570	\$3,120

BPL000000473

BUILDING - # 810

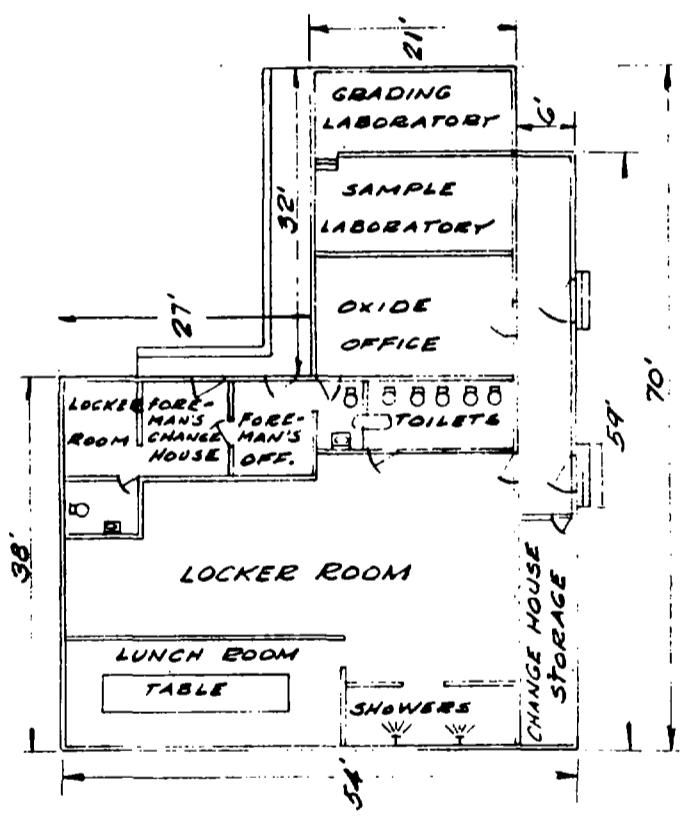
Structure

PLANT: - Zinc Oxide

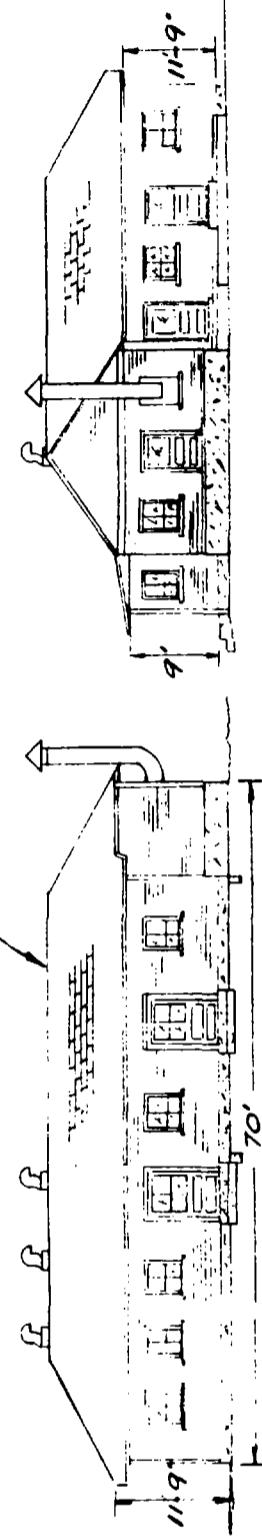
FEATURE: - Change House

GENERAL DESCRIPTION

The Change House building was constructed to house the change room, general foreman's office and laboratory rooms at the plant. The building is of wood on concrete retaining walls with concrete floors in the change room and wood floors elsewhere. Roof is of composition shingles.



PLAN



SOUTH ELEVATION

**CHANGE HOUSE
BUILDING N° 310
WOOD FRAME - CONCRETE FLOORS**

**INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA**

BUILDING - # 310

PLANT - Zinc Oxide

Equipment

FEATURE - Grading Laboratory

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>REPLACEMENT</u>		
		<u>ORIGINAL COST</u>	<u>VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Knightware chemical sink	\$0	\$5	\$0
1	Electric Hot plate	\$0	\$5	\$0
1	Hood - Shop built	\$0	\$5	\$0
1	Propeller type ventilator, Motor No. 185B	\$0	\$0	\$0
1	Pulp Balance	\$0	\$0	\$0
2	Torsion Balances	\$5	\$0	\$0
1	Becker chain-o-matic balance	\$00	\$00	\$00
1	Drying oven	\$0	\$0	\$0
2	Electrolytic apparatus for assay work	\$00	\$00	\$00
1	Knee Hole Desk	\$0	\$0	\$0
1	Swivel chair	\$0	\$0	\$0
4	Platinum Gauze cylinders - approximately 15 grams	\$00	\$00	\$00
4	Platinum Helical Wires - approximately 10 grams	\$0	\$0	\$0
3	Platinum Gauze Sheets - approximately 30 grams	\$00	\$00	\$00
1	Electric clock	\$0	\$0	\$0
1	Interval timer	\$0	\$0	\$0
5	Copper sieves	\$00	\$00	\$00
1	Two gallon safety can	\$0	\$0	\$0
10	Glass pallets	\$0	\$0	\$0
1	Sample riffle	\$0	\$0	\$0
	Miscellaneous glassware	\$00	\$00	\$00
	Miscellaneous chemicals	\$0	\$0	\$0
	Miscellaneous benches and cupboards	\$00	\$00	\$00
	Labor of Handling and Installation	\$0	\$0	\$0
	<u>TOTALS</u>	<u>\$1,056</u>	<u>\$0,295</u>	<u>\$1,042</u>

BUILDING - #511

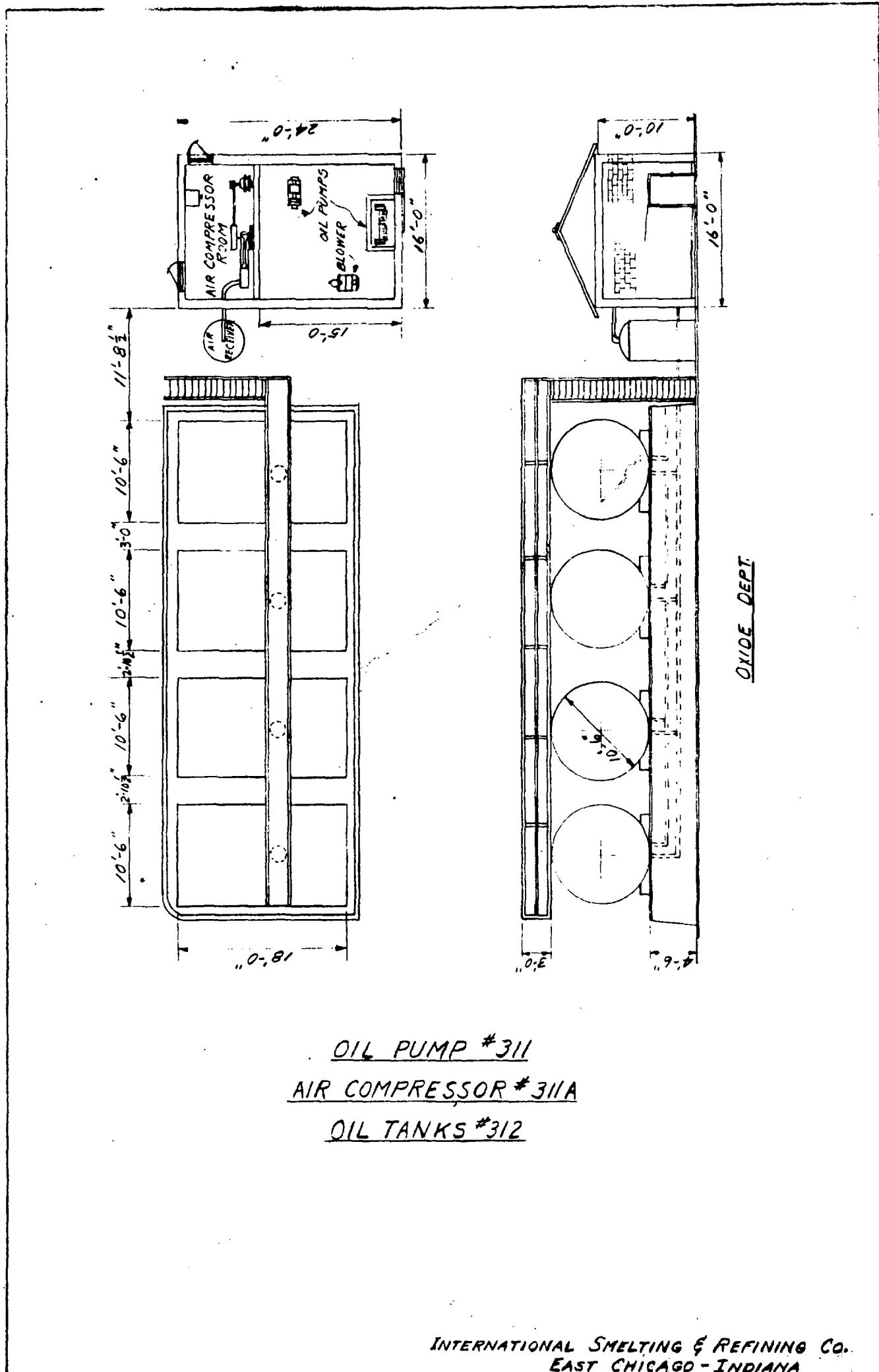
Structure

PLANT: - Zinc Oxide

FEATURE: - Oil Pump

GENERAL DESCRIPTION

The Oil Pump Building is a small brick building on a concrete slab with a tile roof on steel trusses. It houses the oil pumps and blower for the burners with drive, etc.. Sash is of steel, doors of iron.



**INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA**

BPL000000478

BUILDING - #11

Equipment

PLANT: - Zinc Oxide

FURNACE: - Oil Pump

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	N. H. Nash Steam Engine Used to pump oil to furnaces while electric supply is off. Steam inlet 1", 6" piston, 5" stroke	\$350	\$350	\$ 80
1	Clouds Gear Oil Pump, driven by motor Co. tag No. 186-A used for unloading fuel oil 7-1/2 H.P., 700 RPM	100	125	60
1	Connoreville Blower #640, driven by Troy Steam Engine #18817 used to produce air for burners Type VTB, Leaves 8", Stroke 7", 250 RPM Centrifugal Compressor, 100 lbs.	250	300	100
1	Oil Heater, 12" diameter, 34" long used to heat oil for burners	110	150	80
2	2-Piston Oil Pumps, triplex piston 2-1/2" dia., 5" stroke	250	350	125
2	Oil Settler Tanks equipped with screens, Co. motor tag 184-B, 7-1/2 H.P., 1160 RPM	110	125	60
5	Gasoline Cans, 15 gallon capacity	10	12	5
3	Oil Cans, 2 gallon capacity	5	5	3
	Labor of Handling and Installation	157	205	92
	TOTAL	\$1,730	\$2,247	\$878

BUILDING - #811-A

Structure

PLANT: - Zinc Oxide

FEATURE: - Air Compressor

GENERAL DESCRIPTION

The Air Compressor Building is adjacent to the oil house and is built to house a small plant air compressor and motor. It is built of brick with a tile roof on steel trusses. Sash of steel, doors of iron.

BUILDING - #311-A

Equipment

PLANT: - Zinc Oxide

FEATURE: - Air Compressor

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Ingersoll-Rand Air Compressor, Co. tag #108-5, size 8 x 6, 300 RPM, pressure 120 lbs., 25 H.P., 270 RPM, stroke 5", 2-1/2" pipe	\$1,200	\$2,000	\$600
1	Tokheim 50 gallon oil pump tank and miscellaneous oil cans and buckets	50	50	10
2	Refuse Cans	2	3	1
1	Receiver Air Tank, 50 x 7	125	180	60
	Labor of Handling and Installation	<u>150</u>	<u>210</u>	<u>67</u>
	TOTAL	\$1,485	\$2,401	\$738
		<u> </u>	<u> </u>	<u> </u>

BUILDING: - #312

STRUCTURE: - 8'x12'

Equipment:

PLANT: - Zinc Oxide

PLANT: - Zinc Oxide

FEATURE: - Oil Tanks

PLANT: - Oil Tanks

ITEM NO.

DESCRIPTION

GENERAL COST

ITEM NO.	COST	ITEM NO.	COST
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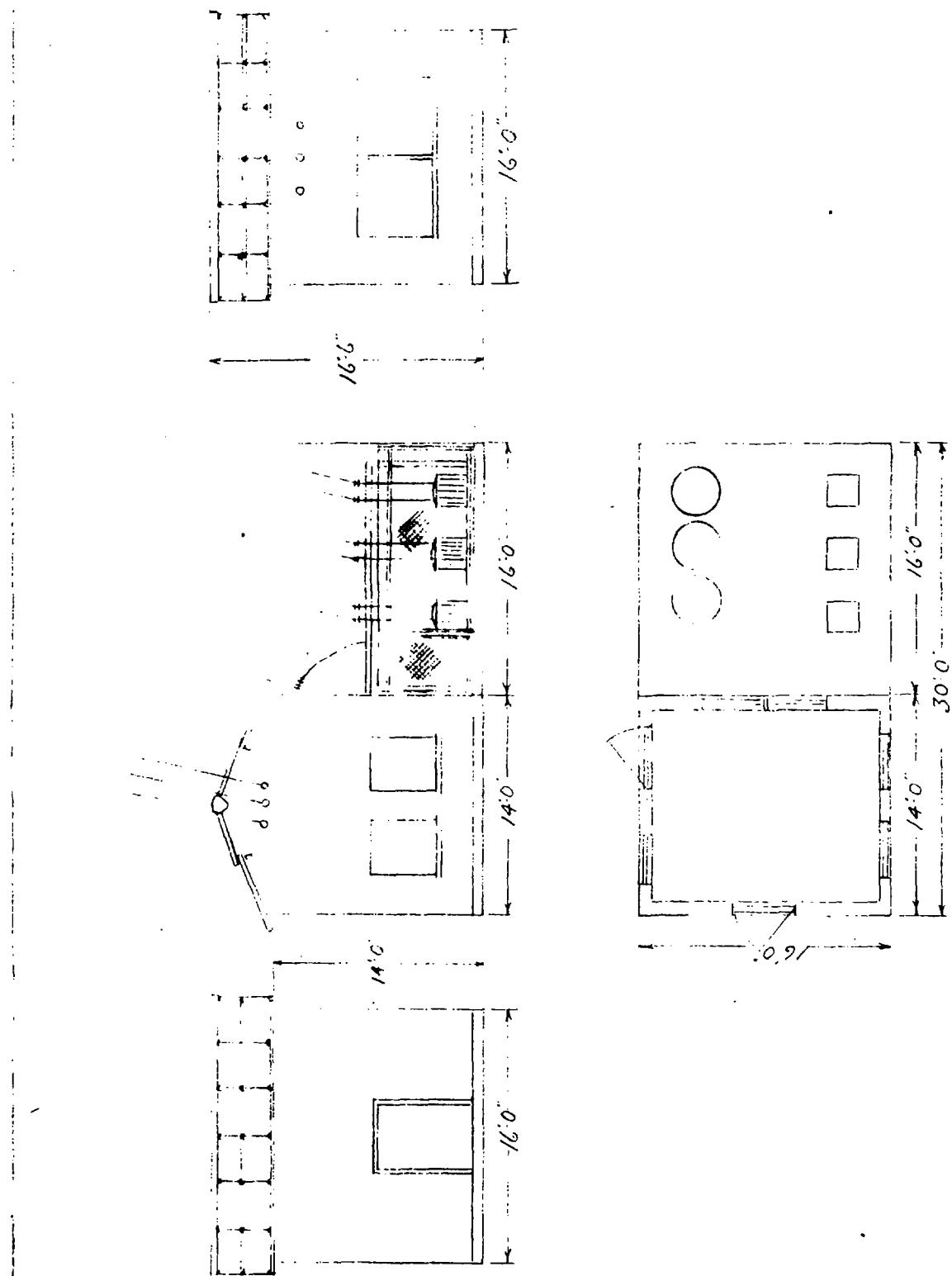
1	Oil Tank. The Oil Tanks are supported on concrete saddles and insulated. They are 10 ft. in diameter, 12 ft. long, with enclosed bottom, open top, future outlet, steel coils heat coil heating oil, perpendicular plan piping. Tanks Wall and Floor	\$4,200 700 300	\$4,200 500 1,000	\$1,100 400 500
2	Cleaner Oil Trap, fully equipped Nozzles	300 100	100 100	60 30
	Cost of building and installation	600	100	120
	TOTAL	\$5,100	\$5,400	\$2,684

BUILDING - # 818
Structure

PLANT: - Zinc Oxide
FEATURE: - Sub-Station

GENERAL DESCRIPTION

The Sub-Station steps down and distributes 22,000 volt power from the main sub-station to the Oxide Plant. The building is of brick on concrete foundations with tile roof supported on trusses, the cash and door are of steel.



OXIDE SUB STATION #313

BRICK WITH CONCRETE FLOOR

TILE ROOF

INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO, INDIANA

BPL000000484

BUILDING - # 523

PLANT: - Zinc Oxide

Equipment

FEATURES: - Sub-Station

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	2500 incoming switch consisting of three panels, 2 - 24" x 31", 1 - 24" x 28"	150	150	80
2	400 ampere oil circuit breakers	350	350	190
4	Westinghouse current transformers, type K.D. 255 amperes	140	170	80
4	Potential coils	150	200	100
1	100 ampere meter	150	175	90
1	1250 ampere ammeter	175	210	100
1	5000 volt, volt meter	175	210	90
2	Westinghouse over-current relays, type C	50	60	30
4	15 amperes, style 7011M1 A	90	95	50
1	Westinghouse watt-hour demand meter	175	210	90
2	C. E. tripping resistors No. X - 2894550 S - 1 W. S. Y 3818	350	350	125
1	440 Feeder, No. 1 unit, 3 panels - 2 - 20" x 31" 1 - 20" x 28"	75	100	50
1	50 ampere meter	125	150	65
2	Time overload relays	70	85	40
4	Kilowatt hour meter	500	600	300
2	500 ampere current transformers	70	84	40
1	440 pottery feeder, 3 panels, 2 - 20" x 31" 1 - 20" x 28"	75	100	50
2	Oil circuit breakers	350	350	175
1	150 ampere ammeter	150	180	90
1	700 volt, volt meter	150	180	90
1	300 ampere current coil	60	65	30
5	Time overload relay	210	255	125
1	440 Feeder No. 2 unit, 3 panels, 2 - 20" x 31" 1 - 20" x 28"	75	100	40
1	300 ampere ammeter	175	210	100

BUILDING - # 313

Equipment

PLANT: - Zinc Oxide

FEATURE: - Sub-Station

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)		VALUE AS IS
			\$	\$	
2	500 ampere current coils	90	96	40	
1	Bateline and Anglecoast control instrument serial 20876, type A. N. , 3 phase, wire 3 100 / 1000 watts	350	420	300	
1	Light panels 3 panels 2 - 20" x 31" 1 - 20" x 28"	70	100	40	
6	50 ampere U-HB-Lit breakers	270	325	140	
1	60 ampere U-HB-Lit breakers	55	65	30	
1	100 ampere U-HB-Lit breakers	65	75	40	
1	Clark controller panel board 18" x 18"	10	15	5	
3	Contactors	10	12	6	
1	Knife switch	15	18	7	
3	Fuse disconnects	150	180	40	
3	S & C 200 ampere High potential fuse	45	55	25	
11	Knife type single pole, disconnects	350	450	300	
6	Knife type double pole, disconnects S-P-D-T	180	205	90	
50	Feet 3/4" copper pipe	50	60	30	
50	Feet 1/2" copper pipe	25	40	15	
36	High tension insulators	252	300	100	
50	Feet Cyclone fencing complete with post & gate	180	200	50	
24	Feet 3" x 4" angle iron				
40	Feet 3"x3-1/2" angle iron	55	50	25	
40	Feet 3" x 2" angle iron				
	Labor of Handling and installing	600	1,500	525	
	<u>TOTAL</u>	<u>\$4,690</u>	<u>\$4,915</u>	<u>\$3,535</u>	
		<u>=====</u>	<u>=====</u>	<u>=====</u>	

BPL000000486

BUILDING - # 314

Structure

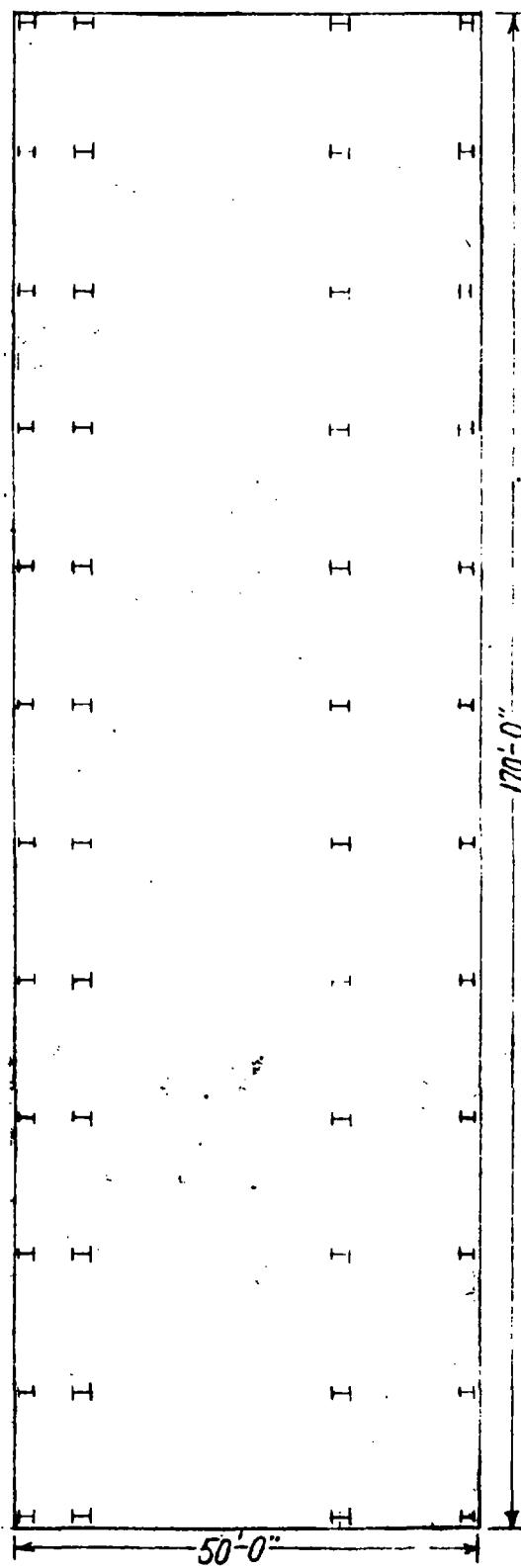
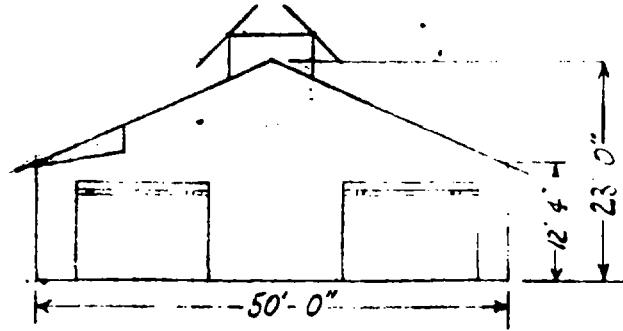
PLANT: - Zinc Oxide

FEATURE: - Furnace Building
(Muffle Furnaces)

GENERAL DESCRIPTION

The Furnace Building is built on concrete foundations of structural steel and corrugated iron with wood doors. A Monitor ventilator extends the entire length of the roof. The floor is concrete.

The equipment consists of four muffle furnaces with supporting flues piping etc.



MUFFLE FURNACE BLDG 2
BLDG. 314

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO INDIANA

BPL000000488

BUILDING - # 314

Equipment

PLANT - Zinc Oxide

FEATURE - Furnace Building
(Muffle Furnaces)

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
4	Muffle Furnaces complete	44,000	48,000	30,000
200	Feet Flue pipe, 36" diameter	8,000	4,000	2,000
4	Leeds and Northrup micromax recording pyrometers	1,400	1,800	700
70	Zinc residue molds, 36" x 36" x 12"	4,600	5,350	2,500
2	Wilson-Mullins, Four record tape loops	800	900	300
1	Steel box for furnace droppings, 8'6" x 6' x 34"	40	50	20
1	1/2" mesh screen 4' x 6'	15	20	5
1	Standard Rotex 8'6" x 6' x 1/2" heavy screen furnace droppings, Ge. motor tag 90A 1-1/2 HP 1800 RPM	500	625	200
8	Steel dropping boxes 8' x 5' x 5'	100	120	40
1	Old style fuse outlet box	10	12	5
250	Feet American monorail track	750	1,000	400
18	Overhead light fixtures	500	560	200
1	52" Four blade, man-cooler fan Co. tag 138 B	120	130	65
1	Clark size 1 starter	15	15	6
1	Morris chain hoist, 1/2 ton capacity			
1	Bobbins and Myers chain hoist 1/2 ton capacity	50	100	50
3	Cast iron zinc pots, 18" diameter 18" deep	100	150	50
2	Four wheel monorail trolleys	50	40	15
1	Steel grating stand 42" x 36" x 34"	20	25	5
24	Zinc slab molds, mounted on steel frame work	240	260	120
1	Light-weight furnace	30	40	10
4	50" carbonium pyrometer tubes complete with water jacket	300	400	200
4	Rayotubes	50	60	20
60	Feet Flue pipe 36" diameter	360	480	180
6	Air cylinder hoist, for opening furnace doors	150	180	75

BUILDING - # 514

Equipment

PLANT: - Zinc Oxide

FEATURES: - Furnace Building
(Muffle Furnaces)

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
8	American air filters 24" x 24" type PI - 24	\$200	\$240	100
16	Four wheel charging buggies, steel box 48" x 78" x 22"	\$600	\$600	500
	Miscellaneous furnace tools, hammers, rakes, brooms bars, etc.	\$150	\$200	75
1	40 Ft. smoke stack 16" diameter	\$700	\$300	300
1	50 Ft. smoke stack 16" diameter	\$500	\$300	200
1	35 Ft. smoke stack 34" diameter	\$600	\$750	250
2	Kiwell Parker gas electric fork trucks	\$10,000	\$12,000	\$5,000
	Labor of Handling and Installation	\$7,000	\$14,000	\$7,000
	TOTALS	\$75,000	\$95,660	\$50,301

BUILDING - #318

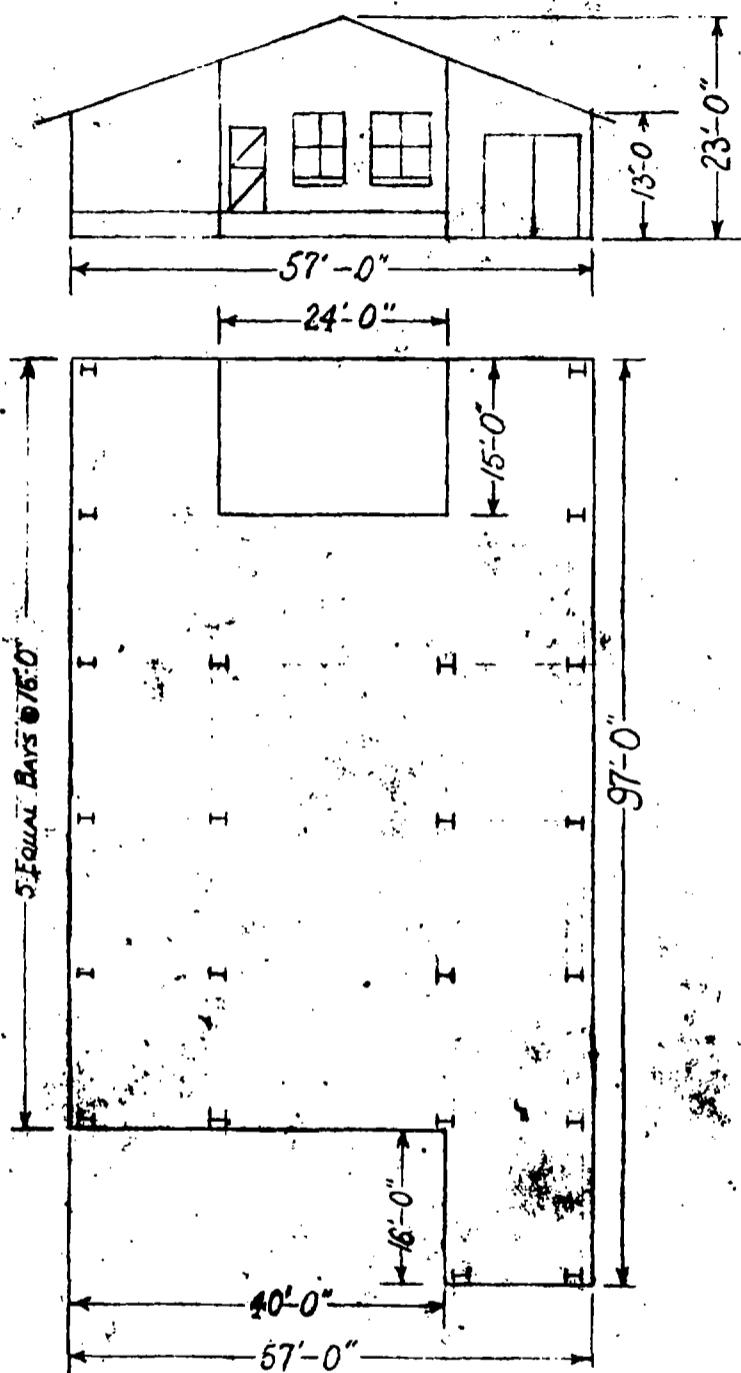
Structure

PLANT: - Zinc Oxide

FEATURE: - Settler Building

GENERAL DESCRIPTION

The Settler Building was constructed to house the settler which is an enlarged section of the flue with bin bottoms in which some of the coarser particles of zinc oxide settle out on their way to the Bag House. The building is of corrugated iron on structural steel with concrete foundations. The building houses the bins mentioned above with the fans and drives.



SETTLER BUILDING

BLDG. # 315

STEEL STRUCTURE CORRUGATED

IRON ROOF & SIDING

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO, INDIANA

BPL000000492

BUILDING - #615

Equipment

PLANT: - Zinc Oxide

FEATURE: Settler Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
16	Settler Bins, 16 ft. long x 8" wide, 30" diameter inlet, 30" diameter outlet	\$3,200	\$4,000	\$1,800
8	Buffalo Fan Blowers, double intake, hollow water cooled shaft, intake 40" x 27", outlet 38" x 35", driven by electric motor with V-belt drive	8,000	7,500	3,500
1	Motor Co. Tag #18, 35 H.P., 875 RPM, variable speed	400	425	250
1	Motor Co. Tag #18-B, 40 H.P., 360 RPM	420	500	280
1	Motor Co. Tag #2-21, 40 H.P., 360 RPM	420	500	280
1	Motor Co. Tag #27, 80 H.P., 845 RPM	500	600	500
1	Motor Co. Tag #42-B, 5 H.P., 1740 RPM	80	90	50
1	Centrifugal Compression Blower, Co. motor Tag #45, 5.5 to 6.5 H.P., 8450 RPM	150	175	90
1	Troy Stoen Engine with Camererville fan blower, 1.5 Cu. Ft. per Rev.	250	300	100
1	G.E. Centrifugal Compressor, F5612-1400, 5 lbs., 3800 Cu. meter Tag #42B, 5 H.P., 1400 RPM	150	175	90
1	Spencer Turbo Compressor, Co. motor tag #112-B, 7-1/2 H.P., 1760 RPM	175	200	90
1	Fan Pulley, 30" dia., 18" face, 4-11/16 bore	10	15	6
1	Fan Pulley, 44" dia., 18" face, 4-11/16 bore	35	50	20
1	Split Pulley, 38" dia., 11" face	10	15	1
1	V-Belt Pulley, 18" dia., 3-1/8" bore, 10 "V" grooves	125	150	65
1	V-Belt Pulley, 18" dia., 3-1/8" bore, 8 "V" grooves			
84	Zinc Molds @ \$40.00 each	3,360	4,000	3,000
	Labor of Handling and Installation	1,060	1,200	875
	TOTALS	\$18,515	\$25,704	\$15,688

BUILDING - #316

Structure

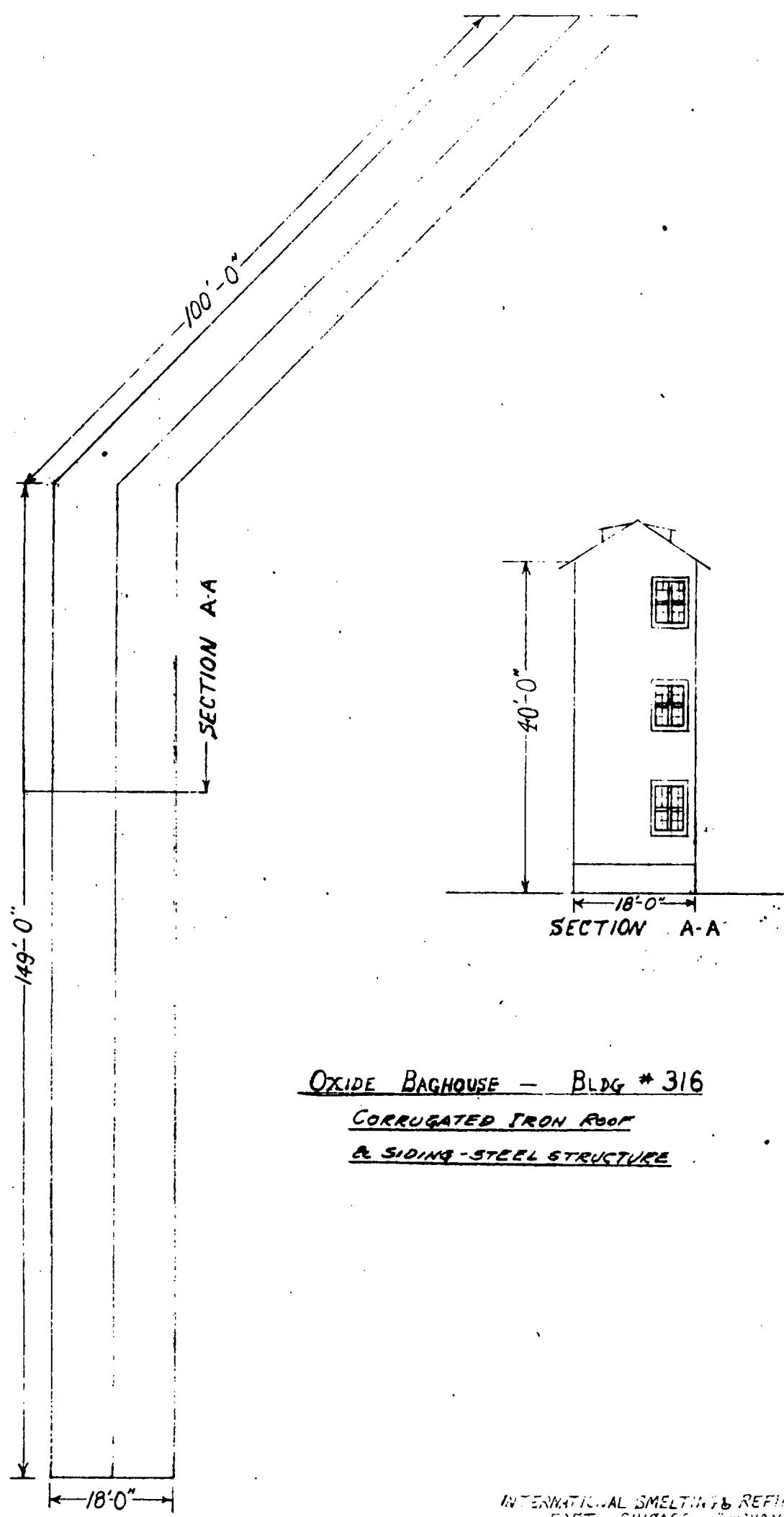
PLANT: - Zinc Oxide

FEATURE: - Bag House

GENERAL DESCRIPTION

The Bag House Building #316 contains four bag house divisions designed to collect muffle oxide. The building is constructed on concrete retaining walls with a concrete floor on sand fill 4'0" above grade. The building is of corrugated iron on structural steel with wood each. Doors are corrugated iron on wood.

The building houses framework for carrying the flues and bags with collector bins at the bottom to receive the oxide, also a monorail with buggies to remove the oxide collected.



INTERNATIONAL SMELTING & REFINING CO
EAST CHICAGO, INDIANA

BPL000000495

BUILDING - #816
Equipment

PLANT: - Zinc Oxide
FEATURE: - Bag House

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
16	Single Hoppers, 14'6" long, 27" wide 3 - Single Bag House 7 hole Receiving Hoppers 11 - Single Bag House 6 hole Receiving Hoppers	\$3,800	\$4,000	\$1,600
20	Double Hoppers 10 - Double 14 hole baghouse receiving hoppers 10 - Double 18 hole baghouse receiving hoppers Length of double hoppers 6 ft. 6 inches Width of double hoppers 24 inches	7,800	8,700	5,000
1	Bag Ruler used to bale old bags	125	200	65
660	Ft. Monorail Track	1,820	1,920	600
14	Monorail Curves of various degrees	400	700	240
5	Double throw switches	250	370	100
9	Single Throw Switches	400	675	200
160	Ft. 30" diameter Header Pipe	400	640	200
30	30" diameter Outlets to Hoppers	250	300	125
4	30" Inlets	50	60	25
50	Ft. 30" diameter Fine Pipe	240	520	100
1	Skid (Hydraulic) Jack	500	400	150
	Labor of Handling and Installation	1,444	3,600	642
	TOTALS	\$16,108	\$21,905	\$7,045

BUILDING - #217

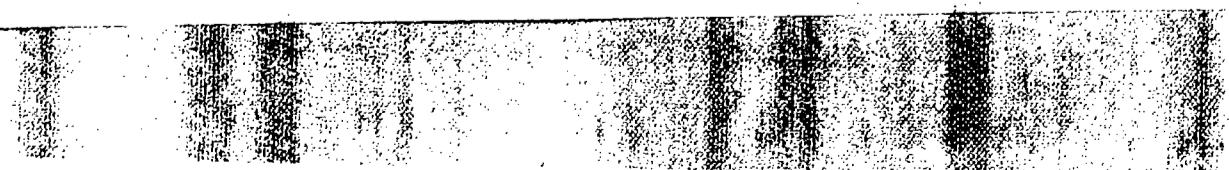
Structure

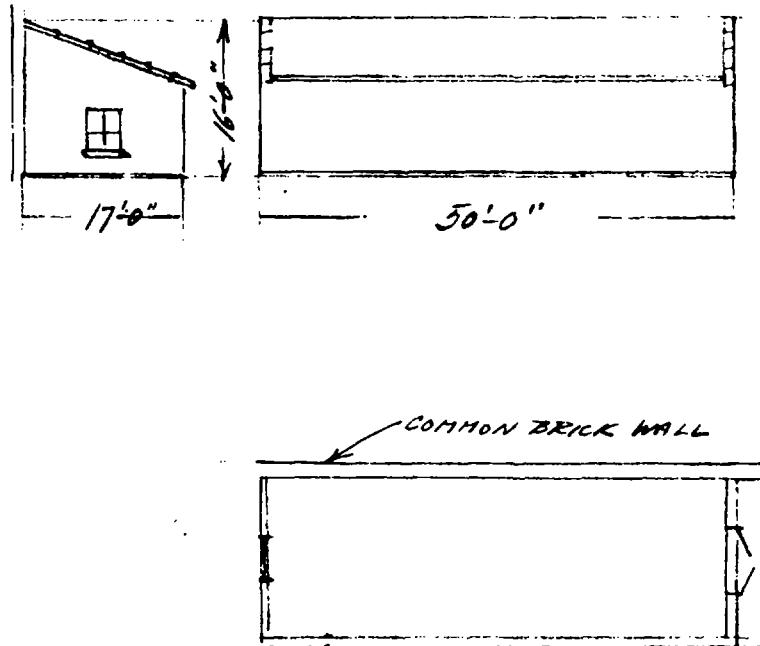
PLANE: - Zinc Oxide

FEATURE: - Retort Storage

GENERAL DESCRIPTION

The Retort Storage is a brick building with a wood roof surfaced with roll roofing and galvalumes. It is heated and was used for storage of carborundum retorts. It is now used for fire brick storage.





RETORT STORAGE #317

BRICK ON CONCRETE SLAB
WOOD ROOF TAR PAINTED

INTERNATIONAL SMELTING & REFINING CO.
51ST & CHICAGO, INDIANA.

BPL000000498

BUILDING - #317

Equipment

PLANT - Zinc Grids

FURNACE - Retort Storage

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
1	Clipper Brick Saw, Model J-41, serial #6189, driven by Century 1-1/2 H.P., 115/230 Volts, 1800 R.M., Cc. Tag #308, complete with dust hood and 18" exhaust fan, driven by 1/4 H.P., 1800 R.M., 115/230 volt, Cc. Tag No. 384	\$312	\$700	\$500
2	30 ampere Safety Switches	2	3	1
1800	Wedge Fire Brick (Laclede Dials No. 1, No. 2)	104	120	70
3000	Square Fire Brick 8" x 4-1/2" x 2-1/2" (Laclede King)	100	220	120
1800	Wedge Fire Brick (Laclede No. 1)	104	120	70
1800	Arch Fire Brick No. 1	78	95	50
400	Feather Edge Fire Brick	28	55	30
2	Fire Tile 24" x 36" x 7-1/2"	4	6	2
2600	Arch Fire Brick No. 3 (Laclede No. 3)	154	190	110
500	Soap Fire Brick 2-1/4" x 2-1/4" x 9" (Laclede)	48	65	35
75	Fire Brick, tile, 18" x 9" x 2-1/2"	225	225	190
600	Ledge Fire Brick No. 1 (Laclede Dials)	45	60	30
8	Tile Fire Brick, 24" x 18" x 2-1/2"	30	34	15
1400	Arch Fire Brick No. 2 (Laclede No. 2)	98	120	50
1000	Neck Fire Brick	60	65	40
1800	Fire Brick, 8 x 4-1/2 x 2-1/2" (Laclede Pearlite)	110	145	70
15	Bags Atlas Immite Cement	15	18	10
1	12 Ft. Ladder, with safety shoes	6	8	4
1	Steel Meter Box 2'10" x 6 Ft.	19	12	6
3	Overhead Light Fixtures	40	60	30
1	Assortment home made forms for brick arches	400	500	10
	Labor of Handling and Installation	115	135	80
	TOTALS	\$2,352	\$2,915	\$1,328

BUILDING - # 318

Structure

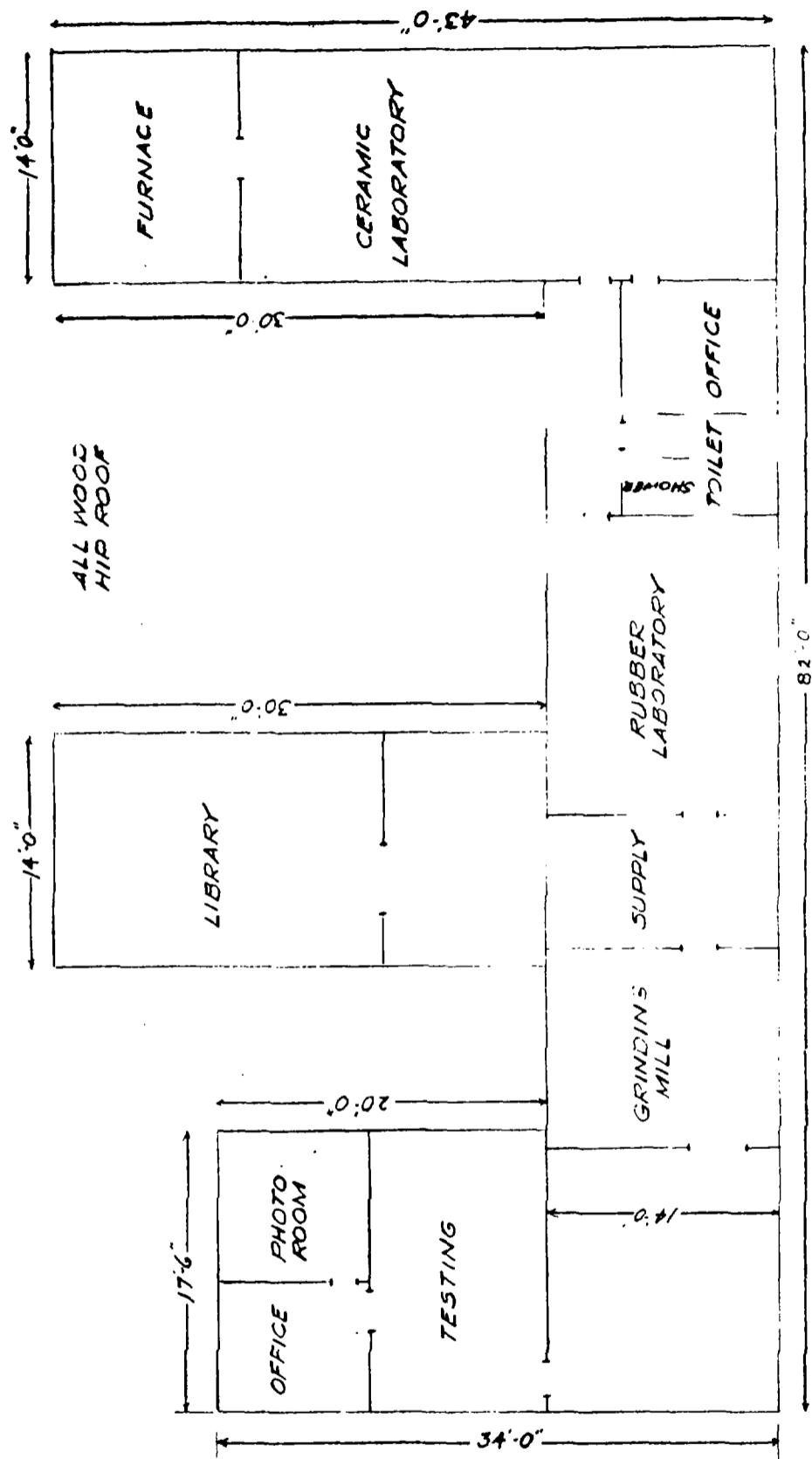
PLANT - Zinc Oxide

FEATURE - Laboratory

GENERAL DESCRIPTION

The Experimental Laboratory was constructed to do research work in connection with the ceramic, rubber, paint, chemical and pharmaceutical industries. The building is of wood on a concrete foundation with an asphalt shingle roof. The interior is lined with beaver board and caleton. The building is steam heated.

The equipment is of a varied character to meet the needs mentioned. It contains furnaces, grinders, rubber press and mill with small 1/2" pressure boiler for controlled heats. Equipment is provided for microphotographic work.



INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BPL000000501

BUILDING: #318

Equipment

PLANT: - Oxide

FEATURE: - Pigment Sales Laboratory

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT COST (NEW)</u>	<u>VALUE AS IS</u>
6	Office Swivel Chairs	\$ 120	\$ 170	\$ 90
1	Office Chair	20	25	10
2	2-Drawer Wood File Cases (desk type) each	20	30	5
1	Hall Tree	10	15	5
1	Grinnell Thermelier, Motor No. 1403	100	130	40
1	Knightware Chemical Sink	50	60	20
1	Enamaled Sink	10	15	5
2	Built-in book cases (each)	40	50	5
1	Stormer Viscometer	150	200	75
1	Gardener Mobilometer	60	70	50
1	Gardener Flowmeter	25	30	10
1	Pfund Cryptometer	25	30	10
1	Scott Volumeter	15	20	7
2	Shore Hardness Tester	25	30	10
1	Ames Thickness Gauge	25	30	10
2	Tear Test Dies	180	170	70
5	Rubber Specimen Dies	25	100	40
1	Rawhide Mallet	5	5	2
2	Chopping Blocks	50	60	10
1	Stop Watch	25	30	15
2	Electric Clocks	10	10	5
2	Ellisen Inclined Draft Gauges	70	80	40
2	4-Cavity Rubber Molds	100	125	40
1	6-Cavity Abrasion Mold	50	60	25
1	6-cavity Flexometer Mold	75	80	30
2	1-Cavity Rubber Molds	50	60	25
2	Interval Timers	10	20	5
1	Leed & Northrup Potentiometer	150	150	75
1	M.W. Temperature Indicator, range 75 to 3000° F.	125	130	75
1	Becker Pulp Balance	50	60	25
1	Becker Chainomatic Balance	125	140	50

BUILDING - 4818

PLANT - Oxide

Equipment

FEATURE: - Pigment Sales Laboratory

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>		<u>VALUE AS IS</u>
			\$	%	
1	Biological Cabinet (Second hand)	\$ 25	\$ 60	15	
1	Westinghouse Mobilaire Air Conditioner Motor No. 178-B	125	350	50	
1	Heavy-Duty Electric Muffle, Muffle 14 x 7-1/2	250	325	200	
1	DeVilleriess Spray Booth with ventilating Fan, Motor No. B-75	125	175	90	
1	Curtis Air Compressor Unit, Size 5-5/8 x 5-1/2, Motor No. 6	125	150	75	
1	Precision Constant Temperature Oven, Type A	175	300	75	
1	Ball Mill Assembly consisting of: (2) 5 gallon, (1) 1gallon and (2) 1 quart jars Motor No. S4A, 1 HP, 1800 RPM	150	250	100	
1	Hq-Speed Portable Mixer, Motor No. HS-B	65	75	40	
1	Steam Heating Unit with Blower, Motor #62B	75	85	50	
1	Raymond Laboratory Disintegrator, Motors Nos. 522 and 323	250	300	75	
1	Gas Fired Brick Ceramic Kiln, (Shop built) Muffle size 15 x 30	300	300	100	
1	Gas Fired Muffle Furnace Muffle size 9 x 12	150	200	75	
1	Cenco Vacuum Pump, Motor No. 179B	90	120	45	
1	General Electric Automatic Oven, size 16 x 16 (second hand)	50	125	40	
1	Electric Hot Plate, 12 x 12	15	20	5	
2	DeVilleriess Air Regulators	60	70	25	
2	Propeller type Wall Ventilators, Motors Nos. 40B and 41B	70	100	35	
1	Revers Brothers Stencil Machine (second hand)	20	75	15	
5	Knee-hole 6-Drawer Desks	250	300	125	
1	Oak 2-drawer table	45	60	20	
1	4-Drawer Steel File Cabinet	40	60	35	
2	3-Drawer Steel File Cabinets	60	90	40	
1	1-Drawer Steel File Cabinet	15	20	5	
5	2-Section Book Cases	125	150	90	
1	3-Section Book Case	30	40	20	

BPL000000503

BUILDING - #518

Equipment

PLANT: Oxide

FEATURE: - Pigment Sales Laboratory

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (REV)</u>	<u>VALUE AS IS</u>
1	Leitz Microscope with pedestal stand, shock absorbers and photo micrograph camera. Combination illuminating stand with carbon arc. Complete accessories including objectives and eyepieces.	\$1,500	\$2,000	\$1,500
1	Leitz microscope - portable model equipped with single and binocular body. Complete accessories including objectives and eyepieces	300	400	300
1	Complete accessory for dark field illumination	150	150	150
1	Gance light projector for microscope	25	35	25
1	Hanover Mercury Vapor Lamp	75	85	75
1	Spencer Spectroscope	50	60	50
1	Bateman Printer	250	30	5
1	Constant temperature cabinet with blower Motor No. 48-B (Shop Built)	75	100	75
1	Stutz and Pfund Turbidimeter	200	225	125
1	Bay 3-roll laboratory mill motor #26-B (Mill)	350	450	200
1	Olsen-Tilgner 10 inch stone mill	75	100	40
1	Olsen-Tilgner 6 inch stone mill, motor #45	75	90	45
1	Constant Temperature oven (second hand) with blower. Motor No. B-67	50	60	15
1	Scott Tensile Tester (second hand) Motor No. 55B	150	350	75
1	Du Pont Abrader Motor No. 39B	200	350	150
1	McKee Gas Fired Steam Boiler	380	425	300
1	Firestone Flexometer Motor No. B77	1,100	1,300	250
1	Complete Assembly 24 inch, 3 Platen Steam press (second hand) (new Controls)	500	700	400
1	18 inch 3-roll rubber mill (second hand) with Gear Reducer Motor No. B-180	200	1,000	50
1	Extruder, Model 1/2 Motor No. B-100	100	300	5
1	Laboratory (Shop built) Flexor Motor No. B-96	100	200	25
				15

BUILDING: - #318

Equipment

PLANT: Oxide

FEATURE: Pigment Sales Laboratory

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Hellige pH Apparatus	\$ 75	\$ 125	\$ 60
1	Coleman Electric pH Apparatus	150	175	100
1	Gemeo Manometer	10	12	5
1	Ainsworth Pulp Balance	40	50	30
1	Hays Gas Analyzer (Graet)	60	75	40
1	Leeds and Northrup Optical Pyrometer No. 8481	150	175	65
1	Weston Voltmeter Model #1	50	60	25
1	Weston Ammeter Model 45	50	60	25
1	Foxboro Potentiometer Model 8195	60	75	30
1	Taylor Anemometer No. 954	50	60	25
1	Volmer Fingerprint Camera	45	75	30
1	Korona View Camera	55	60	10
1	Pfaltz and Bauer Glossmeter	100	125	50
1	Laboratory Paint Mixer (Shop Built) Motor No. 155	75	100	35
1	Small Electric Mixer - no number)	25	30	15
1	Portable Motor No. 1648)			
6	Torsion Balances	175	225	100
1	30 Gallon Hot Water Tank	20	30	10
3	Desk Lamps	5	10	5
1	Student Chair	20	30	10
1	Electric Fan No. 98	15	25	10
1	Portable Table Microtome	30	40	15
6	2-Gallon capacity Safety Cans	15	18	6
1	1-Gallon capacity Safety Cans	2	3	1
4	5-Gallon Copper Safety Cans	50	40	15
5	Steel Lockers	30	40	15
Misc. lot	Wood Benches and Cupboards	300	600	300
Misc. lot	Chemicals	50	75	40
Misc. lot	Photographic chemicals	50	60	25
Misc. lot	Copper sieves in poor to fair condition	150	200	25
Misc. lot	Glassware and tubing (very small lot)	100	125	50
Misc. lot	Wood and Steel Panels	50	60	10

BUILDING - # 318

Equipment

PLANT: - Mine Oxide

FEATURE: - Pigment Sales Laboratory

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL COST	VALUE (NEW)	
	Labor of Handling and Installation	1,375	1,707	756
	<u>TOTALS</u>	\$14,006	\$19,665	\$8,516

BUILDING - # 319

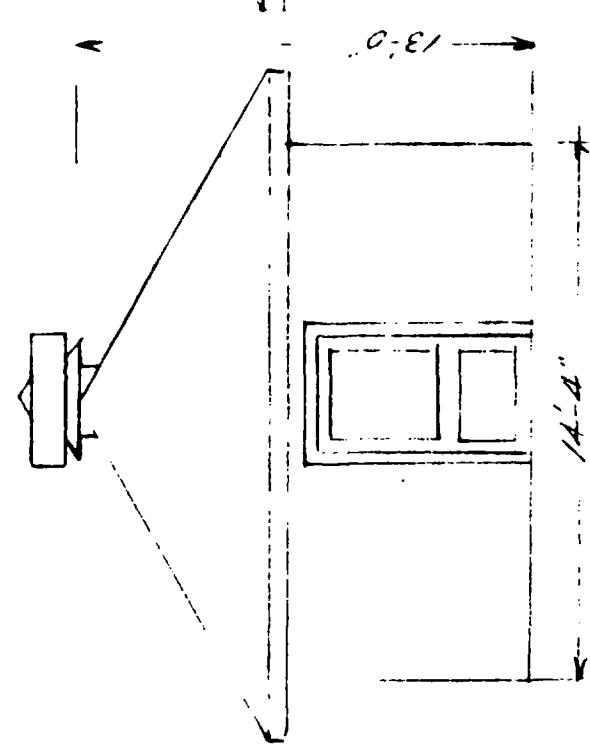
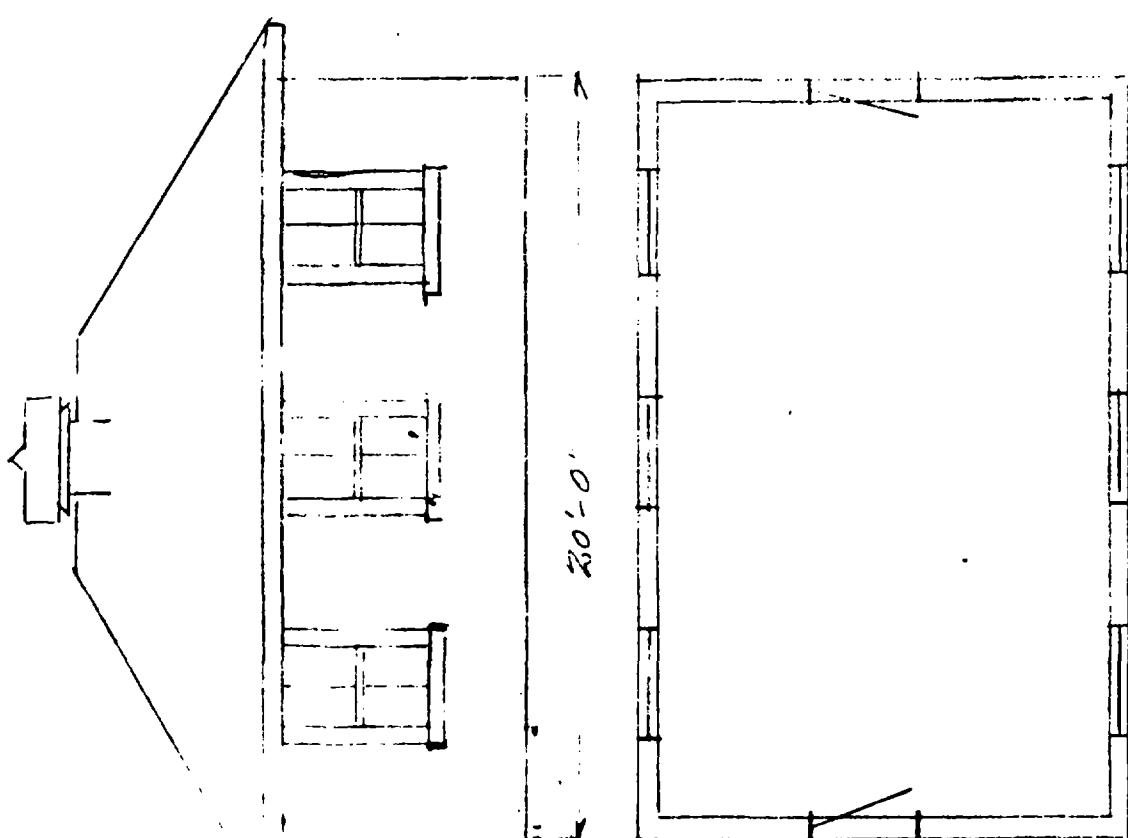
Structure

PLANT: - Zinc Oxide

FEATURES: - Engineer's Office

GENERAL DESCRIPTION

The Engineer's office is a small wood structure on wood foundations lined with
celotex. Steam heated.



ENGINEERS OFFICE # 319

ALL WOOD, WOOD FLOOR
TOP PAPER ROOF

I. INTERNATIONAL SMELTING & REFINING CO.
IND CHICAGO, INDIANA.

BUILDING - # 319

Equipment

PLANT - Zinc Oxide

FACILITY - Engineer's Office

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
3	Flat top desks	90	150	45
1	Roll top desk	30	50	15
3	Swivel chair	45	75	30
4	Chairs	22	45	15
1	10 drawer file	50	40	15
1	9 drawer file	110	150	75
1	Compartment shelves	40	50	25
1	8 drawer file	16	30	5
1	5 section book case	20	24	10
66	Outlets	100	120	50
1	Set shelves for catalogs	10	15	5
1	Clothes tree	5	8	5
	Labor of Handling and Installation	<u>50</u>	<u>75</u>	<u>50</u>
	TOTALS	\$578	\$625	\$325
		<u>.....</u>	<u>.....</u>	<u>.....</u>

BPL000000501

BUILDING - # 321

Structure

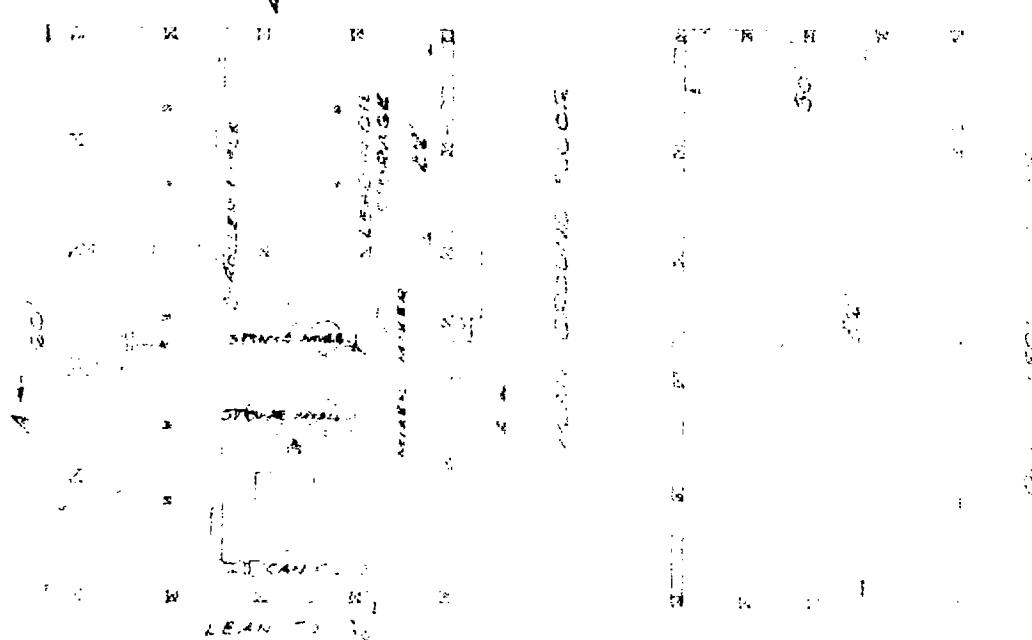
PLANT: - Zinc Oxide

FEATURE: - Lead in Oil Mix House

GENERAL DESCRIPTION

The Lead in Oil Building houses the lead grinding department and is a complete plant in itself. The building is built of corrugated iron on a wood frame lined with wall board and steam heated. Floors are of plank construction. Back and doors are of wood.

The equipment consists of two double stone grinding mills with dumps, mixers, elevators, pumps, and conveyor for a complete plant to grind lead in oil and pack it for the trade.

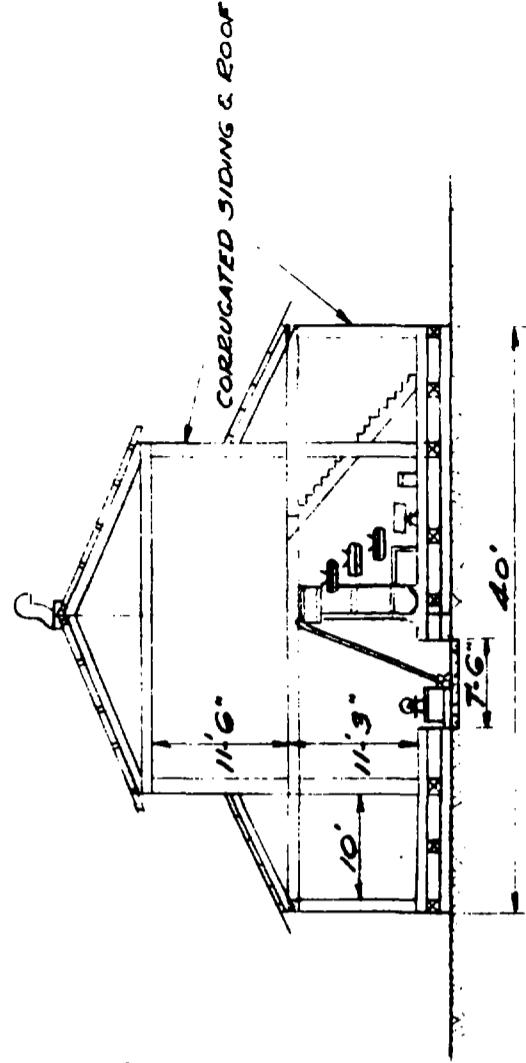


WHITE LEAD MIX BUILDING
BUILDING #321

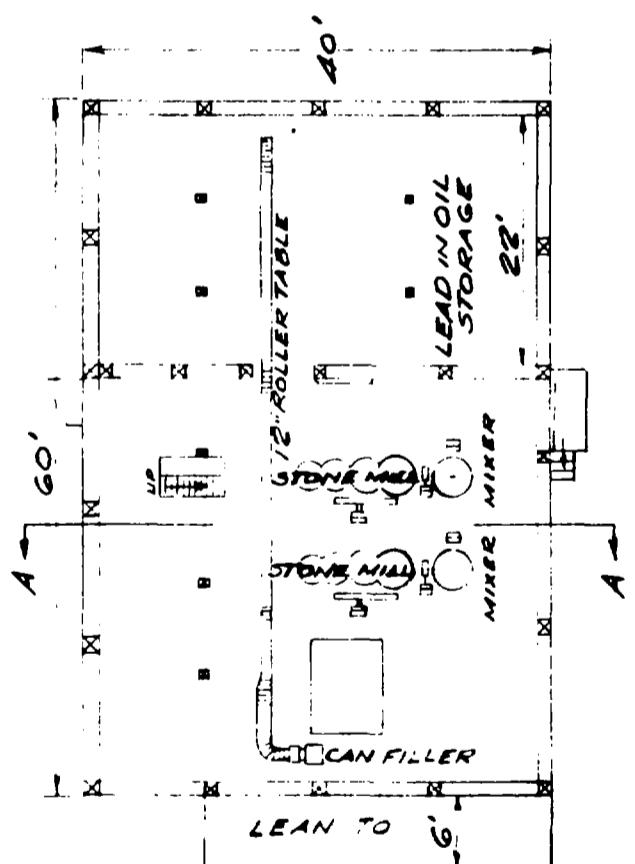
IRON FRAME - CORRUGATED IRON
FOOTING - WOOD FLOOR

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

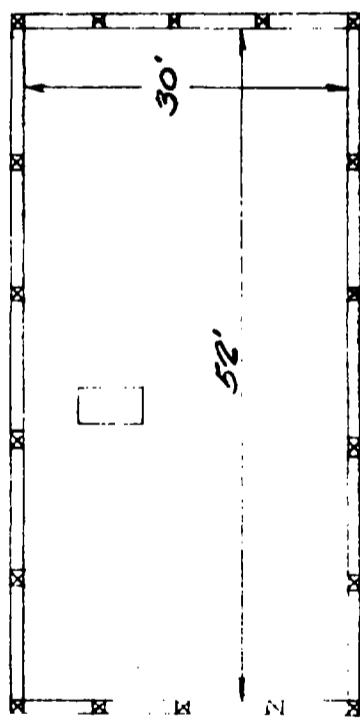
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SECTION A-A



PLAN - GROUND FLOOR



PLAN - SECOND FLOOR

WHITE LEAD MIX BUILDING
BUILDING N° 321
WOOD FRAME - CORRUGATED IRON
ROOF & SIDING - WOOD FLOOR

BPL000000511

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BUILDING - # 541

PLANT - Zinc Oxide

Equipment

FEATURES - Lead and Oil

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE		VALUE AS IS
			(NEW)	(\$)	
2	Barrel dampers	100	150	60	
2	Lead and oil mixers, Co. motor tag # 543, 40 1/2 HP 900 RPM	400 450	600 516	250 250	
1	Fairbanks dial scale, capacity 250 lbs. Platform equipped with lyeal mixing tank, and Printomatic weigher, Co. motor tag 192A 1/4 HP 1725 RPM	300 25	400 38	200 18	
1	Totheim 50 gallon pump tank, equipped with mixer, Co. motor tag 573 1/4 HP 1725 RPM	140 25	175 52	70 18	
2	Lead and oil grinders. Complete with two extra stones	5,000	5,000	4,000	
4	Motors, gear reduction type F.B. Frame 254 Co. motor tags, # 542, 543, 41, 42B, Direct couple four equalizer pumps sizes 4, # 400 All four motors are each 1/2 HP 1740 RPM	340	400	200	
1	Double Hopper, white lead packing machine, Co. motor tag 538 1/2 HP 1800 RPM	300 25	500 48	200 30	
1	Exact weight table scale, platform 10" x 10"	80	100	40	
1	Continental can capper # 68	200	300	180	
1	Exact weight table scale, platform 9" x 13"	80	100	40	
1	Pascche and Frye, 12 gauge copper, # 5P 1009 Driven by motor, Co. tag B 64 1/2 HP 1800 RPM	200 92	300 110	180 50	
4	Hand can cappers, various sizes	200	300	100	
1	1/2 ton chain block	60	100	40	
60	Foot roller conveyor, 12" wide	200	360	100	
1	Two wheeled hand truck	12	18	6	
1	Graphotype machine, model G.I. Stamping metal plate (type)	400	500	100	
1	Stamping machine stamping tags (paper)	200	300	150	
2	Wooden file cabinet 14" x 26" x 31"	10	18	6	
1	Paint mixer, complete with Reliance gear motor reducer, mounted on wheels Co. motor tag # 518 1/2 HP 1725 RPM	120 25	175 65	65 30	
1	Electric motor, mounted on White Lead canning machine, Co. tag # 543 3/4 HP 1800 RPM	67	90	40	
1	Electric hoist # 543 3/4 HP	175	210	90	

BUILDING - # 301

Equipment

PLANT - Zinc Guide

FEATURES - Lead and Oil

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Gear pump, used to pump turpentine from drum to paint mixer, Ge. motor tag # 169 1/2 HP 1725 RPM 110 volts	\$5	\$5	\$0
1	Rack for turpentine drum holder, constructed from 2" pipe	\$5	\$0	\$0
1	Sheet iron bin 4' x 4' 6" x 4' complete with cover, used to store rags	\$0	\$0	\$0
1	Gear pump used to pump linseed oil from tank to paint mixer, Ge. motor tag # 169A 1/4 HP 1715 RPM 115 volts	\$5	\$5	\$0
	Labor of Handling and Installation	<u>\$1,000</u>	<u>\$1,113</u>	<u>\$54</u>
	TOTAL	\$10,458	\$16,530	\$6,200

BUILDING - # 328

Structure

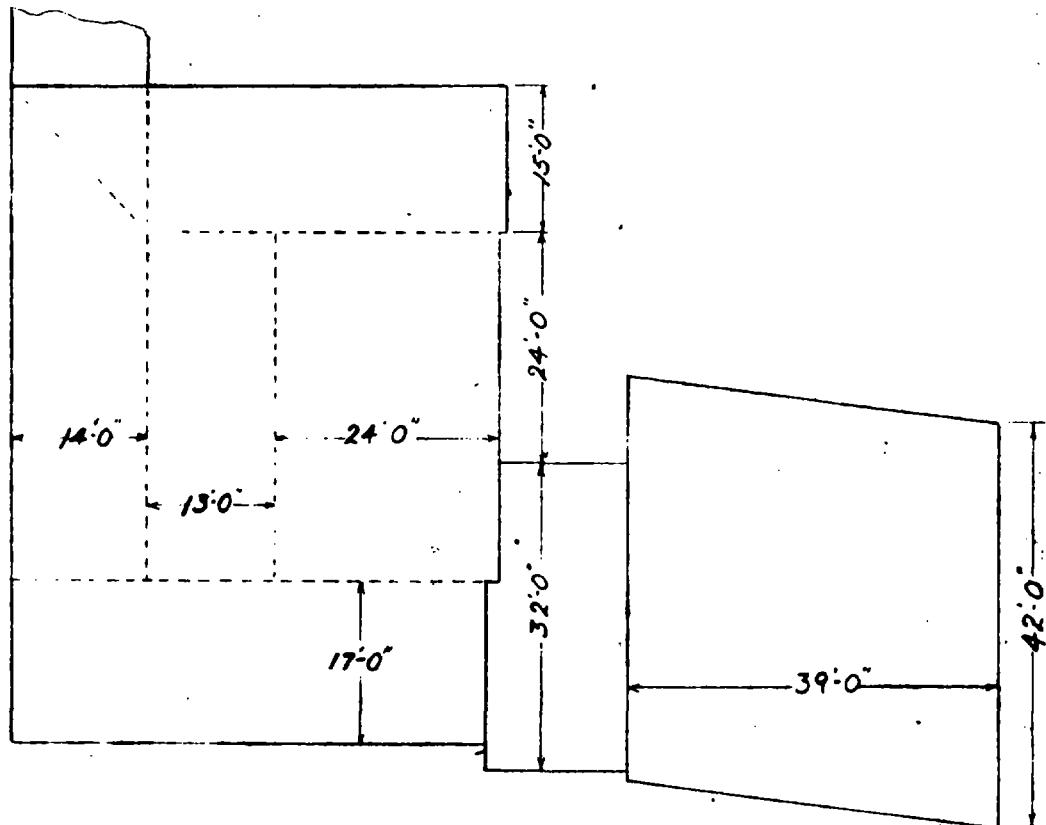
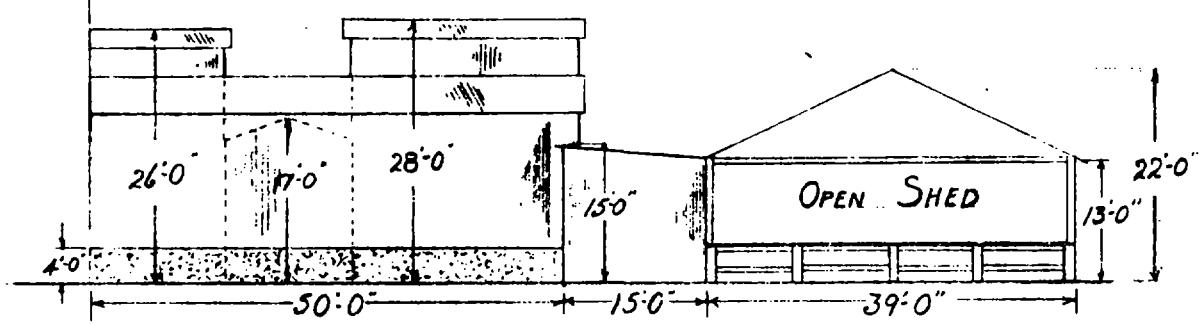
PLANT: - Zinc Oxide

FEATURE: - Pulverizer Building

GENERAL DESCRIPTION

The Pulverizer Building was constructed to handle and reclaim refuse oxide and grits. The building is of corrugated iron on steel framework with wood sash and doors, erected on concrete foundations.

The equipment consists of a Whiting Mill, Packers, Rotex Screens and Calciner with supporting conveyors etc. An adjacent platform and ramp allows for loading or unloading of car by means of a fork truck from grade levels.



PULVERIZING BUILDING № 325
ALL STEEL CONSTRUCTION
CORRUGATED ROOF & SIDING
CONCRETE FLOORS

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA.

BUILDING - # 305

Equipment

PLANT: - Zinc Oxide

FEATURE: - Pulverizer Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT		VALUE AS IS
				VALUE (NEW)	
1	Mogul zinc oxide pecker with hopper 36" x 34" x 48"	200 50	267 75	100 30	
1	Invincible zinc oxide pecker, driven by motor Co. tag # 3 180 7-1/8 HP 1150 RPM	200 112	267 185	100 60	
1	Zinc oxide dust collector 7' diameter, complete with cyclone and bags 6" diameter x 14'	175	800	80	
1	Whiting Mill complete with Cleveland speed reducer ratio 40 -1 Feed screw, and motor Co. tag # 181 B 80 HP 1750 RPM	3,500 300	4,000 470	8,000 120	
1	Exact weight beam scale, platform 15" x 19"	200	250	100	
1	Braves Feeder, with motor Co. tag 87B 10 HP 1800 RPM - Reliance -	192 135	215 160	45 75	
2	Stedman disintegrators with motor Co. tag # 152A 15 HP 1800 RPM G.E.	2,000 168	2,400 220	600 90	
1	Whiting Mill feed hopper 5' x 6' x 6'	150	200	75	
1	Rotex complete	500	625	500	
2	Link-belt elevators, 25" x 26" x 54' high # 1 elevator complete with speed reducer and motor, Co. tag 144A 5 HP 1750 RPM #2 elevator complete with speed reducer and motor Co. tag # B-30 5 HP 1150 RPM	900 55 300 55	1,350 65 400 65	400 50 300 50	
1	Link-belt elevator 15" x 26" x 54' high Complete with motor, Co. tag # 111B 5 HP 900 RPM	450 92	650 110	300 55	
1	Screen bolter on Raymond Mill, fed through screen conveyor 42" long, with motor, Co. tag # 94A 5 HP 1800 RPM G.E.	400 55	500 105	50 50	
5	Rotex screens (spare)	2,500	3,125	1,000	
1	Rotex complete with motor Co. tag # 41B	35	42	30	
1	18 ft. ladder (wood)	4	6	2	
1	10 ft. ladder (wood)	5	5	1	
24	Feet monorail track	80	95	40	
1	Single throw switch	5	5	1	
2	Monorail track curves	125	150	100	
1	Steel drum used in Calcine mill, 15' long x 6' diameter, brick lined, mounted on four flange wheels, driven through Roots Brothers speed reducer, ratio 17 - 1 with motor Co. tag # 81A	1,500 55	2,000 105	400 55	

BUILDING - # 325

Equipment

PLANT - Zinc Oxide

FEATURES - Pulverizer Building

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (MM)	VALUE AS IS
1	Link-belt elevator driven through Foste Brothers speed reducer, ratio 17 - 1, Co. tag 169B	400	700	300
		67	80	40
3	Braver feeders	570	645	135
1	Drawer master drive	90	100	80
1	Link-belt elevator 14" x 30" x 18"	250	400	100
42	Foot monorail track	125	165	85
1	Caldwell bevel gear drive, with 24" x 9" screw conveyor with hopper	60	75	30
2	Settler hoppers 3' x 4' x 6'	300	400	150
1	Steel ladder, constructed of pipe, 18' length	8	10	6
1	Steel ladder, constructed of pipe, 18' length	10	12	8
25	Kleb zinc molds complete on steel framework	375	425	180
1	Air cylinder for car loading ramp	60	75	50
	Labor of Handling and Installation	<u>1,750</u>	<u>2,157</u>	<u>735</u>
	TOTALS	\$18,980	\$23,530	\$8,080
		*****	*****	*****

BUILDING - # 586

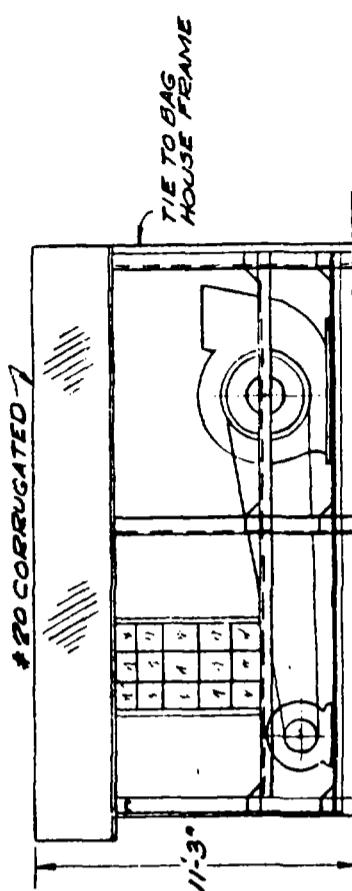
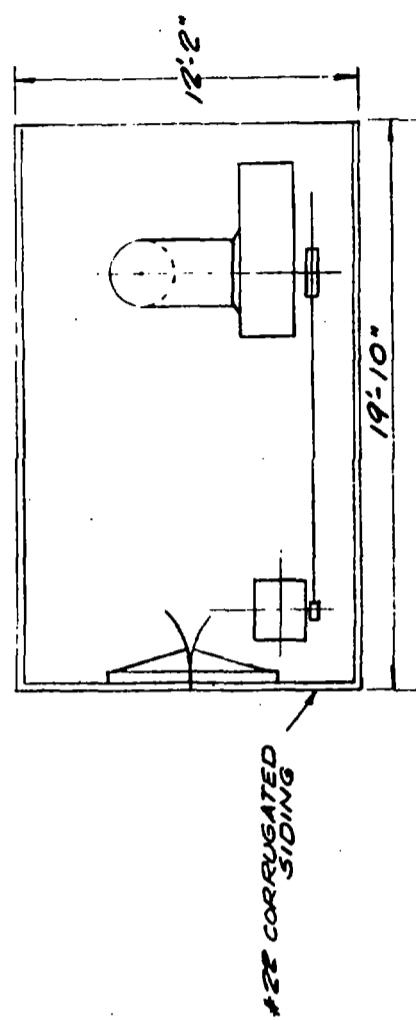
Structure

PLANT - Zinc Oxide

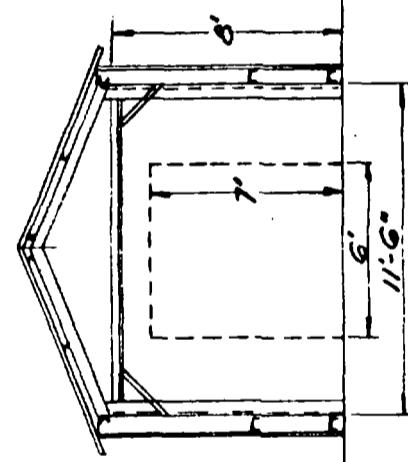
FEATURE - Motor House at American Block

GENERAL DESCRIPTION

The Motor House Building houses two motors and one fan for serving the American Block Furnace. The building is corrugated steel on wood with a concrete floor. Sash and doors are of wood.



SIDE ELEVATION



MOTOR HOUSE
BUILDING NO 326
STEEL FRAME - CORRUGATED IRON ROOF
& SIDING - CONCRETE FLOOR

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BUILDING - # 826

Equipment

PLANT - Zinc Oxide

FEATURES - American Block - Switch House & Blower Room

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT		VALUE AS IS
				VALUE (NEW)	
2	# 31 B 60 HP 900 RPM (slip ring motor) # 108 B 60 HP 660 RPM (440 volt, 60 cycle)	1,150	1,600	800	
2	G.E. CR 7004 - D XI B 440 volt 60 cycle magnetic switch complete with 100 ampere ammeter				
1	G.E. CR 7004 Al 100 ampere 440 volt magnetic switch				
1	G.E. 300 ampere A.C. ammeter				
2	60 HP cast iron grid resistors				
2	G.E. CR 3004 drum controller				
	G.E. T 108 H drum controller	550	550	500	
1	Type NY 600 Frame 3 pole 100 ampere IIN circuit breaker complete in steel cabinet	250	350	150	
2	U-M-Lite type 58 600 volt 90 ampere circuit breakers	250	250	50	
1	18" x 24" x 8" steel junction box	20	30	10	
1	Clark push button station bulletin 100 type D Form D	5	4	2	
1	Gelt Newark 40 HP safety switch	40	60	20	
1	Gelt Newark 30 ampere safety switch	15	20	0	
70	Foot 8" conduit				
40	Foot 1-1/2" conduit				
200	Foot 1/0 R.O. wire	150	200	75	
5	Direct overhead lights	60	100	60	
1	Main oil circuit breaker 400 ampere	150	500	75	
1	Recording watt-hour meter	150	175	25	
2	Current transformers				
2	Potential transformers	50	50	10	
2	Porcellian wall bushings				
3	Belta Star knife type disconnects				
650	Foot # 8 weatherproof wire				
60	Foot 500,000 CM cable				
1	Westinghouse 7.5 KVA 2300/240/120 volt transformer				
2	Porcellian fused cutouts				
45	Foot # 8 trolley wire				
6	Bell type insulators				
1	3" YV service entrance head	200	450	150	
2	Eriktel model 40 recording gauges	70	90	50	
5	75 KVA 2300-1200/440-230 volt. Westinghouse transformer	500	600	550	
	Labor of Handling and Installation	544	571	185	
	TOTALS	\$3,790	\$5,175	\$3,000	

BPL000000520

BUILDING - # 527

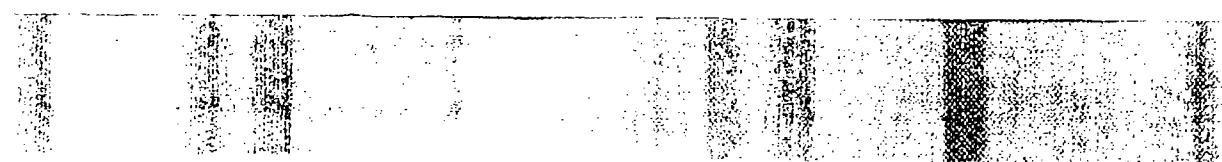
Structure

PLANT: - Zinc Oxide

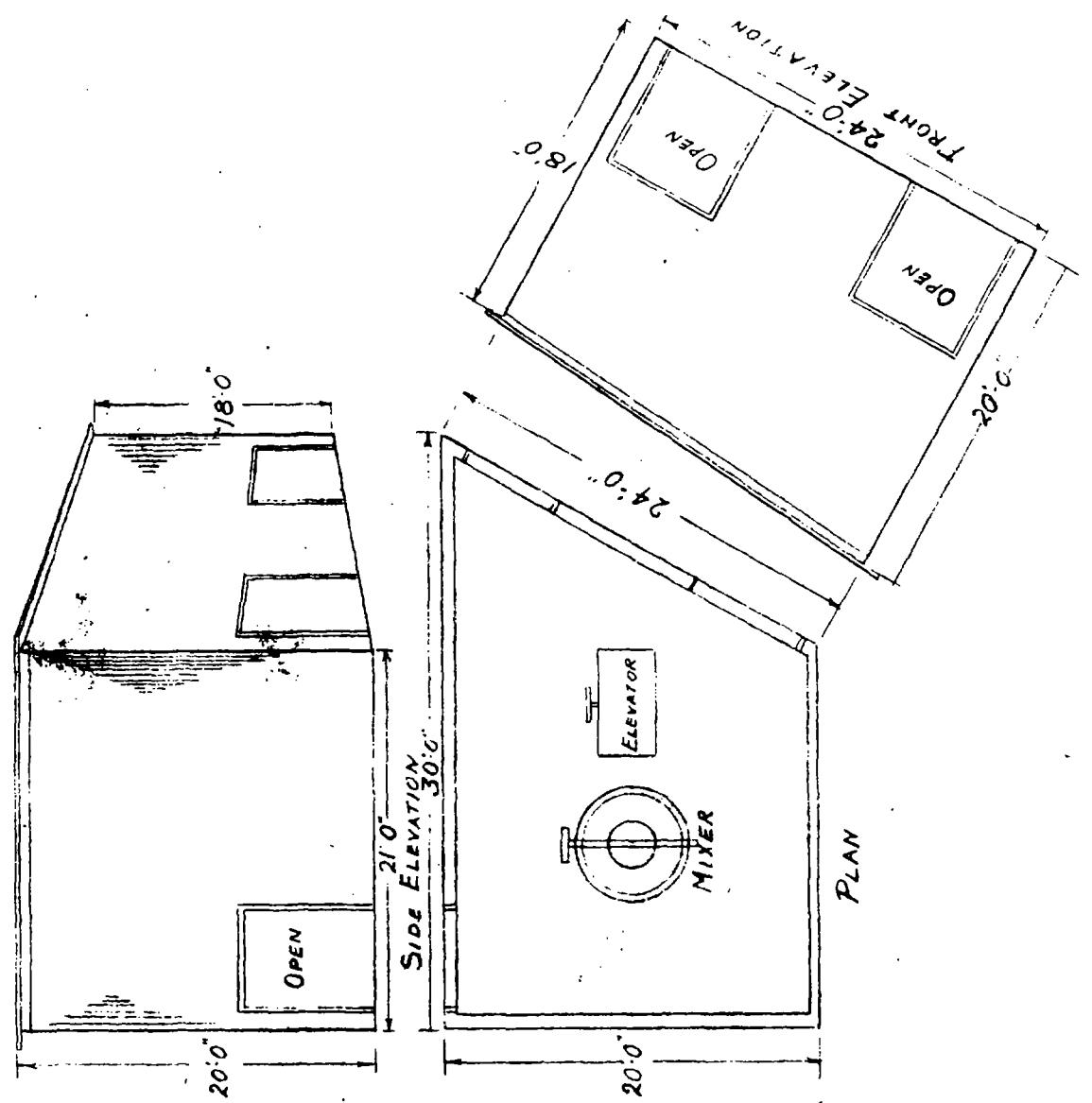
FEATURES: - Ore and Coke Building

GENERAL DESCRIPTION

The Ore and Coke Building at the American Block is built of corrugated iron on wood containing a mixer with a monorail scale for making up charges for the reverberatory furnaces.



BPL000000521



ORE AND COKE BUILDING 327

STEEL FRAME. CORR. SIDING
TAR PAPER ROOF
NO FLOOR

VAL SMELTING & REFINING CO.
31 CHICAGO - INDIANA.

BUILDING - # 327

Equipment

PLANT - Zinc Oxide

FEATURE - Ore and Coke Building

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
1	Double chain bucket elevator Inside dimensions 20" x 40" 8' centers between driving sprockets	500	450	100
1	Fairbanks scale connected to monorail springless, capacity 5000 lbs., serial No. F 473334	400	600	300
1	100 amperes, 3 pole, 600 volts, square D safety switch	52	40	20
1	50 ampere Balco receptacle	7	10	5
100	Feet No. 4 rubber covered wire	10	15	5
50	Feet 1/2" conduit	8	7	2
1	Light fixture	16	20	10
10	Four-wheel monorail trolleys	350	450	150
200	Feet 1" iron pipe	20	25	10
1	One-ton O'Brien and Mayers chain hoists for charge buggies	65	65	30
1	Two-ton O'Brien and Mayers chain hoists for charge buggies	100	115	60
4	Charge buggies	140	200	60
1	Concrete mixer, complete with gears and chain for making American Block charge, driven by 10 HP 100 RPM 440 volts Ge. tag # 995 With Clark No. 1 starter	1,800 170 15	1,800 225 15	500 90 2
	Labor of Handling and Installation	500	600	140
	TOTALS	\$8,100	\$4,840	\$1,810

BUILDING - # 308

Structure

PLANT: - Zinc Oxide

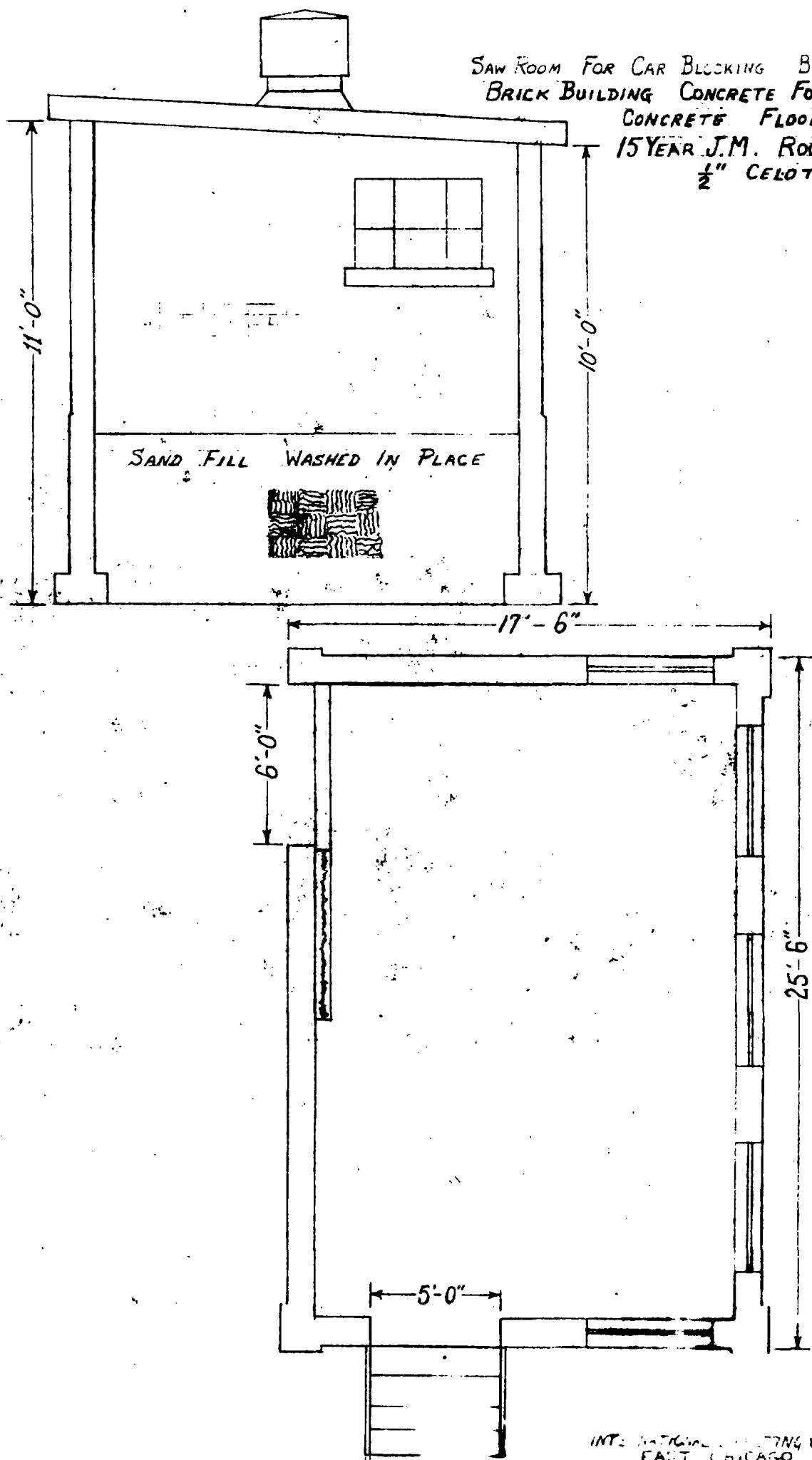
PURPOSE: - Shop

GENERAL DESCRIPTION

The Shop is a small modern building used for storing and cutting material to block cars. It is built of brick on a car floor level concrete platform with concrete floor. The building has steel sash and one overhead wood door and a steel clad underwriters fire door connected to an access runway to warehouse building # 306B. The roof is of concrete tile covered with a built up asphalt asbestos roof. The building is heated.

The equipment consists of a bench, a swing saw and miscellaneous cupboards etc.

SAW ROOM FOR CAR BLOCKING BLDG # 329
BRICK BUILDING CONCRETE FOUNDATION
CONCRETE FLOOR
15 YEAR J.M. ROOF
 $\frac{1}{2}$ " CELOTEX



BUILDING - # 888

Equipment

PLANT - Mine Grade

FEATURES - Shop

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL COST	VALUE (NEW)	
1	Suspended cut-off circle saw - motor driven Motor No. B - 107 3 HP 1750 RPM	175	250	100
1	Trans Unit Heater 17" x 17" Motor No. 177B 1/8 HP 1500 RPM	100	125	50
1	Bench 22" x 31" x 16"	15	20	5
	Labor of Handling and Installation	40	55	25
	TOTAL	\$430	\$600	\$240
		400	500	200

BUILDING - #58

Structure

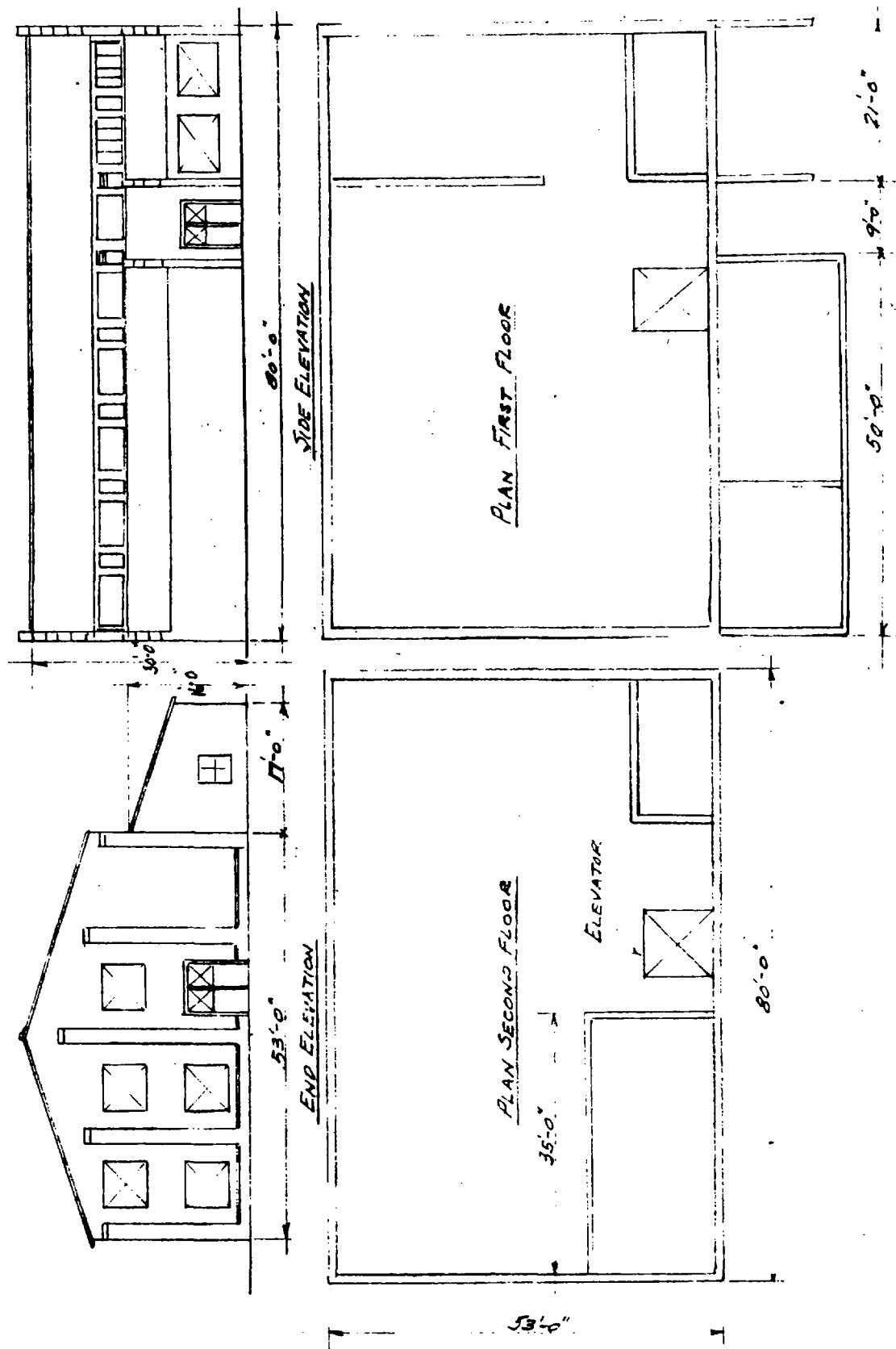
PLANT - Zinc Oxide

FEATURE - Pottery

GENERAL DESCRIPTION

The Pottery Building was constructed to house carbonaceous retort building equipment. It is a brick building with steel trusses and a wood deck roof surfaced with asphalt roofing and electro sheet copper. Sash and doors are metal.

The equipment consists of retort making equipment, a heated retort storage room, a dry pan brick grinder, an elevator, a sewing room, shop and general storeroom.



POTTERY BUILDING NO 332

COMP. ROOF - CONCRETE FOUNDATION & FLOOR
BRICK & STEEL - SECOND FLOOR WOOD

INTERNATIONAL SMELTING & REFINING CO.
 EAST CHICAGO - INDIANA.

BPL000000528

BUILDING - 7000

Equipment

PLANT - Erie 09144

FEATURE - Pottery

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (1955)	VALUE IN 1955
1	Motor, Ge. tag #45, 3 H.P., 1200 RPM	\$ 42	\$ 50	\$ 25
1	Motor, Ge. tag #14-A, 1/2 H.P., 1200 RPM	120	150	70
1	Motor, Ge. tag #L-B, 1-1/2 H.P., 1140 RPM	122	140	65
1	Motor, Ge. tag #107, 1 H.P., 1200 RPM	54	62	30
1	Motor, Ge. tag #450, 1/2 H.P., 1140 RPM	35	42	20
1	Motor, Ge. tag #45, 3 H.P., 1200 RPM	410	500	250
1	Motor, Ge. tag #45, 1-1/2 H.P., 960 RPM	120	140	65
1	Motor, Ge. tag #45, 30 H.P., 960 RPM	160	200	95
1	Motor, Ge. tag #104, 1 H.P., 1200 RPM	54	62	30
1	Motor, Ge. tag #104, 1 H.P., 1200 RPM	54	62	30
1	Motor, Ge. tag #47-A, 3 H.P., 720 RPM, D.C., 250 Volts	200	240	110
1	Motor, Ge. tag #45, 1-1/2 H.P., 1200 RPM	80	90	40
1	Motor, Ge. tag #A-112, about 1/2 H.P., 1200 RPM	80	90	40
1	Motor, Ge. tag #45, 3 H.P., 1200 RPM	55	64	32
1	Motor, Ge. tag #450, 1/2 H.P., 1140 RPM	35	40	20
1	Motor, Ge. tag #144, 1-1/2 H.P., 960 RPM, D.C., 250 Volts	75	90	45
1	Motor, Ge. tag #7, 3 H.P., 1200 RPM	67	80	40
1	Motor, Ge. tag #45-A, 3 H.P., 1200 RPM	55	64	32
1	Motor, Ge. tag #47-A, 1-1/2 H.P., 1200 RPM	42	50	25
1	Motor, Ge. tag #440, 1-1/2 H.P., 1200 RPM	42	50	25
1	Motor, Ge. tag #L-B, 1 H.P. V.V., D.C., 64 Volts	75	90	45
1	Motor, Ge. tag #37, 10 H.P., 960 RPM	170	200	95
1	Motor, Ge. tag #A-111, 3 H.P., 1200 RPM	55	64	32
1	Motor, Ge. tag #130-B, 1/2 H.P., 1725 RPM	35	42	20
1	Motor, Ge. tag #454, 1/2 H.P., 1200 RPM	30	35	15
1	Motor, Ge. tag #45-A, 4 H.P., 1200 RPM, D.C., 250 Volts	85	110	55
1	Motor, Ge. tag #301, 1-1/2 H.P., 960 RPM	120	140	70

BUILDING - 100

Equipment

PLANT - 1000-1000

MANUFACTURER - Pottsville

QUANTITY	DESCRIPTION	ORIGINAL COST	BOOK VALUE	VALUATION AMT.
1	Motor, Ge. tag #107-A, 1/2 H.P., 1800 RPM	\$ 42	\$ 40	\$ 40
1	Motor, Ge. tag #107, 1/4 H.P., 1800 RPM	20	18	20
1	Motor, Ge. tag #107-A, 7-1/2 H.P., 1800 RPM	10	100	100
1	Motor, Ge. tag #108-A, 7-1/2 H.P., 1800 RPM	10	100	100
1	Motor, Ge. tag #108-A, 1/4 H.P., 1800-2000 RPM	20	45	50
1	Motor, Ge. tag #111, 8 H.P., 1800 RPM	60	60	60
1	Motor, Ge. tag #110-A, 2 H.P., 1800 RPM	60	60	60
1	Motor, Ge. tag #111, 40 H.P., 200 VAC.	500	440	500
1	Motor, Ge. tag #112-A, 2 H.P., 1800 RPM	60	60	60
1	Motor, Ge. tag #112, 2 H.P., 1800 RPM	60	60	60
1	Motor, Ge. tag #113-A, 10 H.P., 1800 RPM	110	132	140
1	Motor, Ge. tag #114-A, 0.5 H.P., 1800 RPM	110	100	100
1	Motor, Ge. tag #114, 6 H.P., 600 R.C., 200 Volts	100	180	180
1	Motor, Ge. tag #115-A, 40 H.P., 1800 RPM	810	370	370
1	Motor, Ge. tag #115-B, 8 H.P., 600 RPM	130	145	150
1	Motor, Ge. tag #116, 2 H.P., 1800 RPM	60	60	60
1	Motor, Ge. tag #117, 3/8 H.P., 1800 RPM	20	20	20
1	Motor, Ge. tag #118, 1/6 H.P., 1800 RPM	20	20	20
1	Motor, Ge. tag #119, 1/8 H.P., 1800 RPM	20	20	20
1	Motor, Ge. tag #120-A, 2-1/2 H.P., 2000 RPM	70	95	100
1	Motor, Ge. tag #120-B, 20 H.P., 600 RPM	250	300	340
1	Motor, Ge. tag #121, 1 H.P., 1800 RPM	20	45	50
1	Motor, Ge. tag #122, 10 H.P., 600 RPM	170	200	200
1	Motor, Ge. tag #123, 5 H.P., 600 RPM	130	140	150
1	Motor, Ge. tag #123-A, 2 H.P., 600 RPM	90	115	120
1	Solenome, new complete with mounting base 20 H.P., 1100 RPM, 200/400 volt, 30 cycle 3 phase, Frame 3-404, serial #1144-A3	250	200	170
1	Motor, Ge. tag #122-A, 3 H.P., 1800 RPM	87	80	80

BUILDING - Items

Equipment

PLANT - Mine Grade

FURNITURE - Potters

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (M.P.)	VALUE AS IS
1	Motor, Ge. tag #113-A (New), 3 H.P., 1800 RPM	\$ 67	\$ 80	\$ 35
1	Motor, Ge. tag #108, 1/6 H.P., 1140 RPM	20	25	10
1	Motor, Ge. tag #642, direct couple to Compressor, rated 1/2 H.P., No. 15000, size 07-1/2, speed 1770, 1 H.P., 1800 RPM	60	60	30
1	P.M. 3 H.P., 1800 RPM, 200/240 volt, Frame 100, Open A, 1/2" N.P.T.F. direct couple to Compressor, rated 1/2 H.P., size 07-1/2, diameter, 7" height 12" width 10"	67	80	40
1	Compressor Blower, Size 24, speed 1770	60	75	40
1	Water Glass Pump	100	500	50
1	A.T.S. Motor Protection Switch	100	500	50
1	Current Breaker complete with regulator, 115 amp and 1000 amp, driven by 75 H.P., 1800 RPM, tag #642	4,000 672	10,000 772	1,000 480
1	A.R. Oil Circuit Breaker	200	300	120
1	One 300 Amp Heavy Duty Controller	75	100	40
1	Three 15 Amp Distribution Cabinet, circuit breaker, 100 amp	150	200	75
1	Three Distribution Cabinet 110/220, 100 amp	60	75	40
1	Two Pressure Pipe Valve	15	15	8
1	Single Electric Meter Reader	100	175	80
1	Single 1000 Watt Incandescent Lamp, 120V, 60 Hz	150	160	40
1	Single 1000 watt resistor, size 2-1/2, tag #107, serial A-7000	50	65	30
1	Single 1000 watt resistor, size 2-1/2, tag #107, serial 622300, size 2-1/2, serial 7000	100	175	80
1	Two 1000 watt resistors (one) and one 1000 watt resistor, serial 622300 }	150	160	40
1	Motor, Ge. tag #107, 1/6 H.P., 1740 RPM	20	25	10
56	Wood Kegs	110	150	80
1	Stainless Blower, size 2-1/2	45	60	30

BUILDING - 4888
Equipment

PLATE - Side Grids
FRAMING - Pottery

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (1950)	VALUE AS IS
1	(Plateside, 40x7'6") Cast Iron Hoist, 10" dia., 6" outlet driven by motor tag 176, 1/2 H.P., 1800 R.P.M.	\$ 22	\$ 22	\$ 18
1	Plywood Elevator, capacity 10,000 lbs. Driven by Standard Crane & Hoist Co. unit motor tag 176, 1000 R.P.M., Power transmission tag 2, complete with operating mechanism, Platform 4' x 10', 1/2 H.P., 1800 R.P.M.	600	900	500
	Spare Machinery parts for grids repairs on top of frame, estimated value \$100	-	-	100
1	Water Heater (junk) 40-gallon by Master Supply, 1/2 H.P., 1745 R.P.M.	50	25	10
1	Amico Scale for White Lead Works, 5,000 lb. capacity (same scale)	200	450	80
50	Overhead Light Fixtures	400	640	200
1	Tin Scrap Copper Wire - junk	-	-	100
1	Back Geared Oil-in Between Single Column crane with 50 ft. span	150	200	80
1	Yale Spur Gear Chain Hoist, 2 ton cap.	170	321	80
1	Universal Grinder, opening 12" x 4", Powered by motor tag 549-A, 3 H.P., 1800 R.P.M.	250	250	120
1	Grinder, no name plate, 8 ft. diameter 40" rpm, 30° diamond grinding wheel, tag 700-B with gear reduction, Power motor D-3015, 1/2 H.P., 1800 R.P.M.	400	500	200
2	60-7006-D5 Magnetic Switches	50	50	25
1	60 ampere Square D Switch	50	50	10
1	Conco Torpedo Mill, capacity 500 lbs. Serial 5415, tag 5475-B	170	200	90
1	Master Rubber Abatement Heater, complete with 1/4 H.P., 1800 R.P.M., 440 volts, serial 5475-B, also motor tag 5475-B	15	30	10
	Remainder of pottery building, spare machinery parts for grids repairs estimated value \$750	5,000	4,000	750

INVENTORY - 1950

Equipment

PLANTS - 1950-1954

PLANTERS - 1950-1957

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (1957)	VALUE (1957)
(Machine Tools)				
1	Singer Sewing Machine No. 200, Serial No. A-100000, motor and pump.	\$200	\$200	\$200
1	Singer Electric Sewing Machine, Serial No. V-200007, motor No. 204-2	250	250	200
1	Woodruffing Shear, 14" blade, Co. Tag No. 1000	50	45	15
1	G.E. Radiant Heater, Catalogue No. H-611, 110 volt, 120 Watts	15	15	5
(Scale Models)				
1	Telico Platform Scale, capacity 6,000 lbs. with attached Spinks model dash, over and under indicator, Model G, #1074	600	600	300
1	Fairbanks Morse Platform Scale, capacity 5,000 lbs., with attached Spinks model dash, over and under indicator, Model G, No. 6045	700	700	300
1	Circuit No. 1 Safety Switch	15	15	7
1	Bell Press, 16" table, driven by motor Co. Tag No. 27-4, 3 H.P., 1800 RPM	50	125	25
1	Bolton Adding Machine	125	150	50
2	Desks	50	100	50
1	Wooden File Cabinet 19" x 24" x 36"	15	50	10
1	Sectional Steel Locker 60" x 75" x 12"	50	45	20
2	Overhead Light Fixtures	40	90	50
(Machine Tools)				
1	Square Oil Tank, 25" x 30" x 60", complete with hand pump	40	50	30
1	Steel Cabinet 54" x 18" x 6 ft.	55	45	15
1	Motorcycle Wheel, No. 30, 1 ton cap.	50	50	35
1	Mineralogical tools, estimated value \$100	200	200	100
1	Battery Charger Generator No. 1010, motor tag No. 1004, complete control panel, control box, 3 H.P., 1800 RPM	60	75	50
1	Generator, synchronous, V-Mot. driven, 3 wheels, 10" diameter, motor tag #100-4, 1 H.P., 1800 RPM	50	50	25
		50	45	20

BUILDING - 7888
Equipment

PLATE - Main Guide
FEATURE - Battery

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (\$100)	VALUE AS IS
1	(Machine Shop Tools.) Superior Mill Vise, 10" Table, driven by motor, No. 40, 1 H.P., 1800 R.P.M.	6.40 56	61.00 66	6.00 60
2	Clark No. 1 Reversing Motor	26	30	15
2	Steel Cabinet 3' x 4' x 12"	30	40	15
1	Steel Work Bench 30" x 36" long x 3/4" steel plate top	35	40	20
1	Pawnee Bench Vice No. 40X, 2-3/4" jaw	10	14	5
1	Morgan Bench Vice, No. 279X, 6-1/4" jaw	20	25	10
1	Slipper Belt Sander, 6-1/2" capacity	15	20	8
2,500	Lbs. Steel Plate	225	350	200
1	200 lb. Blacksmith Anvil	30	30	10
16	(Demolition Drying Room Tools) Bags Lehigh Cement	14	16	10
4	Bags Johns Manville Asbestos Block Insulation	100	120	50
7	Bags Lehigh Cement No. 1W. (Demolition)	100	140	50
1	Assorted Firebricks Brick for muffle furnace brick, approximately 1-1/2 inches, estimated value \$2000	2,000	2,000	1,000
1	(Outside, North, Machine Shop) Homestead Fire Brick 6" x 18"	150	200	75
5	Some assorted used steel	-	-	100
1	(Crushing Pit, Dredging Equipment) Steel plate 1/2" x 48" x 48" mounted on two 12" diameter blocks	35	35	20
2	Roller Chain Breakers	10	20	10
6	1/2" Roller Chain #30	4	6	3
1	Link Belt Gear Reducer, driven by motor, G.P. Eng. #8-40, 1 H.P., 1800 R.P.M.	40	47	40
2	G.E. Electrically Heated Furnace	40	40	10
1	Clark No. 1 Reversing Motor	26	30	15
	Labour of demolishing tools	71.00	1,000	500
	TOTALS	400.400	400.710	200.000

BUILDING - # 534

Structure

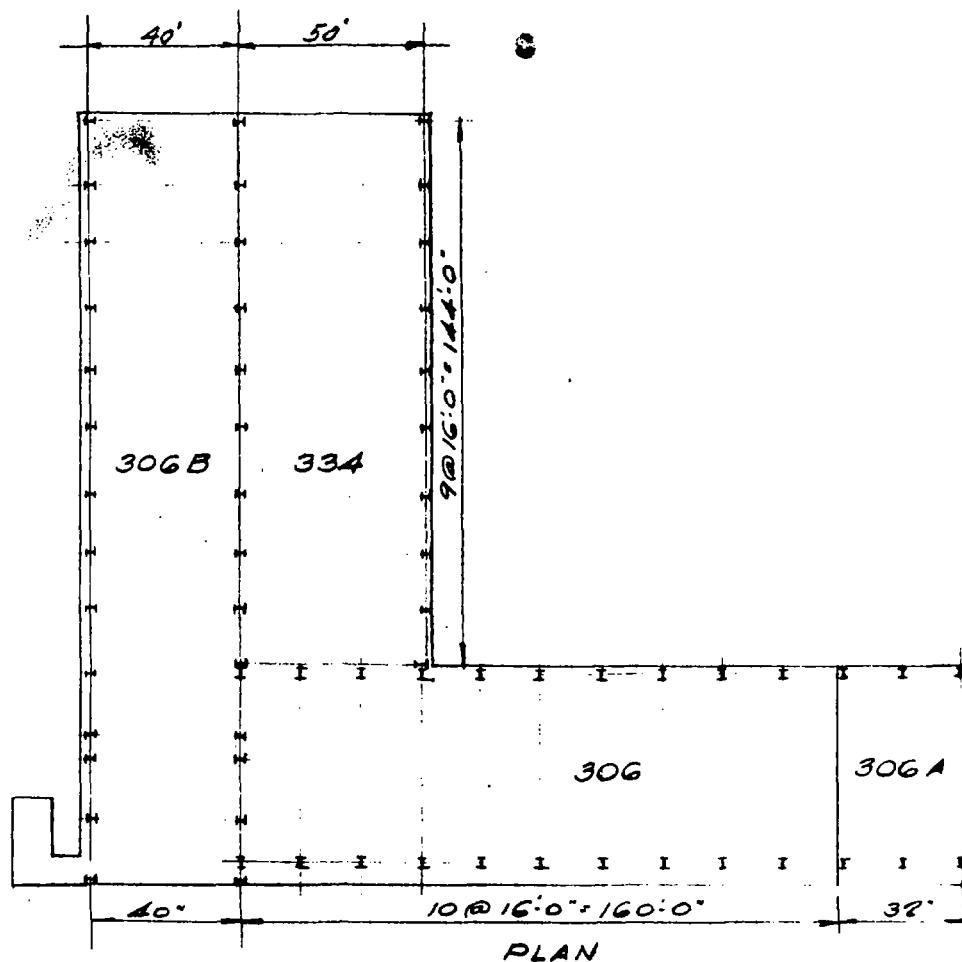
PLANT - Zinc Oxide

FEATURES - Warehouse

GENERAL DESCRIPTION

Warehouse Building # 534 is built on concrete retaining walls with a concrete floor at par floor level laid on sand fill. It has no wall partition between buildings # 504B and 504. The building is constructed of corrugated iron on structural steel with steel roof. Doors are of wood excepting an underwriters fire door which connects this warehouse with building # 501 - the lead in Gal Plant.

The equipment consists of the usual wood sheds for storage and an electric eye fire alarm which is on trial in this building.



OXIDE WAREHOUSES
BLDG NOS 306, 306A-B, 334
STEEL & CORRUGATED IRON

SCALE 1:40'

INTERNATIONAL SMELTING & REFINING CO.
EAST CHICAGO - INDIANA

BPL000000536

BUILDING - # 334

Equipment

PLANT - Zinc Oxide

FEATURE - Warehouse

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT	
			VALUE (NEW)	VALUE AT 1/2
8,000	Wood skids	\$8,000	\$9,000	\$4,000
	Labor or Handling and Installation	—	—	—
	TOTALS	\$8,000	\$9,000	\$4,000

BPL000000537

BUILDING

PLANT: - Yard

Yard

FEATURE: - Fire System

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
(8" H.P. Fire System, 100 lb. Pressure)				
	Taken from 16" main, 40 lb. pressure on 151st to Pump house.			
1,450 ft.	8" Class "C" Cast Iron Water Pipe laid 5 ft. below ground			
1 lot	8" Fittings, Class "D"			
450 ft.	6" Class "C" Cast Iron Water Pipe laid 5 ft. below ground			
7	Hydranttsig" - 3 2-1/2" Hose Connections			
5	8" Indicating Gate Valve	\$ 6,650	\$10,000	\$5,000
6	200 ft. HP Hose House, all 2-1/2" hose)			
3	200 ft. HP Hose House, all 2-1/2" hose)	1,500	2,250	900
1	500 ft. HP Hose House, all 2-1/2" hose)			
(6" L.P. Fire System, 40 lb. Pressure)				
	Taken from 8" city main on McGeeck Ave., 40 lb. pressure			
1,400 ft.	6" Bell and Spigot			
2,800 ft.	6" Bell and Spigot			
1 lot	6" and 8" Fittings			
5	200 ft. L.P. House House all 2-1/2" Hose			
1	500 ft. Hose Cart. House			
1	500 ft. Hose Cart. House and Foamite Engine	10,000	14,000	4,000
1	Model #15 Foam Gen. Portable with 2,000 lb. of powder and 80 ft. 2-1/2" hose connected permanently with iron pipe to 4 horizontal fuel tanks and tank dike wall	420	600	200
44	1-1/4 and 1-1/2 qt. size Pyrene	475	670	335
1	1 gallon Pyrene	40	60	30
15	1-1/4 and 1-1/2 qt. size Pyrene (needs repairs)	140	195	50
28	2-1/2 Gallon, Foam Type	240	536	160
55	2-1/2 Gallon Non-freeze type	740	1,045	525
5	2-1/2 Gallon Polar Bear Fire Gun	30	45	20
5	40 Gallon Foamite Carts	740	1,050	525
Labor or Handling and Installation		<u>3,000</u>	<u>6,000</u>	<u>3,000</u>
TOTALS		\$23,805	\$36,381	\$14,745

BUILDING

Yard

PLANT - Yard

FEATURE: Railroad Track

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (1950)	VALUE AS IS
2,800 ft.	36" Narrow Gauge Track, 40 lbs. weight per yard	\$ 5,600	\$ 7,000	\$ 2,800
9	Turnouts	360	450	185
11,450 ft.	60 lb. Standard Gauge Track	80,150	97,325	46,000
14	Turnouts	4,800	7,000	1,400
1	Track Scale, 200,000 lbs.	8,000	11,000	250
500 ft.	Steel Trestle on concrete piers	10,000	18,000	4,000
300 ft.	Built up earth ramp	1,000	2,000	-
	Labor of Handling and Installation	16,500	35,000	16,500
	TOTALS	\$126,510	\$175,775	\$ 71,085

BPL000000539

BUILDING

Yard

PLANT - Yard

FEATURE - Gas Lines

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL VALUE	VALUE (NEW)	
	(Gas Lines: Black Iron Pipe Main lines and services to Buildings)			
800 ft.	5/8"			
960 ft.	1"			
540 ft.	1-1/4"			
960 ft.	1-1/2"			
2,400 ft.	3"			
300 ft.	2-1/2"			
1,560 ft.	3"			
750 ft.	4"			
		\$6,000	\$8,000	\$500
1	Entrance Meter House with meters, strainers and distribution valves. Natural gas.	940	11,800	250
	Labor of Handling and Installation	750	1,000	750
	TOTAL	\$6,690	\$7,700	\$1,500

BUILDING:

Yard

PLANT: - Yard

FEATURE: - Steam Lines

QUANTITY	DESCRIPTION	ORIGINAL VALUE	REPLACEMENT VALUE (NEW)	VALUE AS IS
	(Steam Lines, 100 lb. Pressure) 600 ft. underground insulated and covered with tile. Balance insulated and overhead on brackets, buildings, posts and "A" frames. Insulation is J. M. Spongeveld asbestos, 1-1/8" thick average			
250 ft.	1"			
1,625 ft.	1-1/4"			
1,125 ft.	1-1/2"			
1,750 ft.	2"			
2,600 ft.	2-1/2"			
800 ft.	3"			
1,000 ft.	4"	\$11,000	\$18,000	(Pipe Value) \$3,000
Labor of Handling and Installation		\$1,500	\$5,000	\$1,500
TOTALS		\$14,500	\$28,000	\$4,500

BUILDING -

Yard

PLANT - Yard

FEATURE - SEWER

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (NEW)</u>	<u>VALUE AS IS</u>
	(New Deep Sewer) 10' - 12' deep. Blocks up to city main sewer on 149th street and McCook ave.			
2,176	Feet 12" Vitrified clay pipe sewer 1-1/2" pitch to 100' and 8" Sloped sections every 50'			
250	Feet 10" Vitrified clay pipe sewer same as above			
400	Feet 8" Vitrified same as above			
5	Cement block manholes 5' to 12' deep	6,800	19,000	8,000
	(Original Sewer Lines)			
3,650	Feet 8"			
500	Feet 8"			
1,100	Feet 10"			
350	Feet 12"			
12	Manholes	22,000	45,000	12,000
	Labor of Handling and Installation	2,250	6,400	2,250
	TOTALS	\$31,150	\$70,400	\$22,550
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BUILDING

Yard

PLANT - Yard

FEATURE - Plant Fence

QUANTITY	DESCRIPTION	REPLACEMENT		
		ORIGINAL COST	VALUE (NEW)	VALUE AS IS
4,900 ft.	8 ft. high Board Fence, 8" diameter posts, 8 ft. centers, 3 x 3 stringers top, two 3 x 3 stringers bottom 3 strands barbed wire on top	\$18,500	\$18,000	\$ 500
200 ft.	Weaved wire, triangular mesh	484	600	100
5	5' x 8' Wood Gates	200	250	150
1	Automatic wire and pipe gate, 80 ft. wide, double motor control from Watchman's Office	1,000	1,000	1,000
2	Railroad Gates, 15' x 8'	300	400	400
600 ft.	"Cyclone" heavy wire mesh fence around tennis courts, 12 ft. high on 4" steel posts	600	800	100
	Labor of Handling and Installation	2,000	4,000	3,000
	TOTALS	\$11,884	\$25,800	\$4,100

BPL000000543

BUILDING

PLANT: - Yard

Yard

FEATURE: - Main Power Line to Substation

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>ORIGINAL COST</u>	<u>REPLACEMENT VALUE (1968)</u>	<u>VALUE AS IS</u>
18	40 ft. Cedar Poles, cross arms and insulators			
5,600 ft.	Approximately, #2 Bare Copper Wire	\$1,600	\$4,000	\$1,600
	Labor of Handling and Installation	<u>370</u>	<u>640</u>	<u>370</u>
	TOTALS	<u>\$2,070</u>	<u>\$4,540</u>	<u>\$2,070</u>
		<u>=====</u>	<u>=====</u>	<u>=====</u>

BUILDING -

Yard

PLANT - Yard

FEATURES - Side Walks

QUANTITY	DESCRIPTION	ORIGINAL COST	REPLACEMENT VALUE (NEW)	VALUE AS IS
840	(Side Walks) Square yards side concrete sidewalk 5" thick on 6" cinder and slag base -- reinforced crosswalks	\$,025	\$,050	\$,000
7,320	(Paved Road) Houston Square yards 8" stone base 12" asphalt paving	\$,600	11,500	8,640
11,700	(Concrete area) Square feet	\$,700	11,000	4,500
	Labor or Handling and Installation	\$,025	\$,050	\$,025
	TOTAL	\$17,540	\$81,400	\$11,775

BUILDING -

Yard

PLANT - Yard

PLANT: - Automotive Equipment

QUANTITY	DESCRIPTION	DATE OF ACQUISITION	ORIGINAL COST	REPLACEMENT VALUE (MM)	VALUE AS IS
1	MacTruck Tractor & trailer New	1961	\$,000	-	4,500
1	G.M.C. Truck Tractor New	1963	1,000	-	800
4	Flat-top trailers Second Hand	1960	1,000	-	400
3	1-1/2 Ton For Trucks Second Hand	1960	500	-	50
	Second Hand	1960	500	-	50
	New	1964	1,000	-	600
1	1-1/2 G.M.C. Truck New	1964	1,750	-	750
Labor of Handling and Installation			\$20	-	500
TOTAL			\$13,500	-	\$7,650

BUILDING

Yard

PLANT - Yard

PROPERTY - Rolling Stock

QUANTITY	DESCRIPTION	REPLACEMENT		VALUE AS IS
		ORIGINAL AMT	VALUE (NEW)	
1	15 Ton Link Belt Steam Locomotive Crane	\$4,000	\$12,000	\$8,000
1	Railroad Flat Car	500	1,200	500
1	Railroad Hand Push Car	60	180	40
	Labor or Handling and Installation	275	625	247
	<u>TOTALS</u>	<u>\$7,835</u>	<u>\$20,815</u>	<u>\$8,607</u>